SEC Command Format			
^TnnnXXXX,X Character	XXXX,XXXX,, <cr> Description</cr>	Remark	
^	Start bit	Remark	
Т	Type	P: PC Query command, S: Set command, D: Device Response	
nnn	Data length	Include CRC and ending character, except"\Trnn"	
XXXXX	Data	If the data is reserved, they will be filled nothing, so you would see double "," connected.	
,	Seperator	Separate each data, please use "," to recognize the length of data. If double "," continuing, that means this data is reserved.	
		in double , continuing, that means this data is reserved.	
^D002DI<2r>	Query commands Query protocol ID		
	0517 <crc><cr></cr></crc>		
Response. Do	0317 SCRCE SUP		
^P003ID <cr>:</cr>	Query series number		
	25LLXXXXXXXXXXXXXXXXXXXXCRC> <cr></cr>		
	X totally. LL: the available number of X.		
Example: ^D02	251401234567890123456789 <crc><cr>, it meas ID is 01234567890</cr></crc>	123.	
	>: Query CPU version		
	17VERFW:nnnnn.nn <crc><cr></cr></crc>		
n: 0~9 Example: ^D01	17VERFW:00001.00 <crc><cr></cr></crc>		
•			
	cr>: Query secondary CPU version 18VERFW2:nnnnn.nn <crc><cr></cr></crc>		
n: 0~9	10 1 DAI W2, minimi, mi NCRC/ NO		
	8VERFW2:00001.00 <crc><cr></cr></crc>		
^P005VFWT<	cr>: Query DSP and MCU version		
	` •		
	: Query device model		
Data	37AAA,BBBBBB,CC,D,E,FFFF,GGGG,HH,III <crc><cr> Description</cr></crc>	Remark	
Data	Description	Remark	
AAA	Machine number 机种	000: Infini-Solar 10KW/3P 001: Infini-Solar 15KW/3P 002: Infini-Solar 15KW/3P-客制 003: Infini-Solar WP(Infini WP 12K和15k通过功率区分) 004: Infini-Solar WP 30KW/3P 005: Infini-Solar WP LV 6KW/2P 006: Infini-Solar WP TWIN	
ВВВВВВ	Output rated VA 额定VA值	B: 0~9, unit: VA	
CC	Output power factor 输出功率因数	C: 0~9	
D	AC input phase number AC输入相数	D: 1~3	
Е	AC output phase number AC输出相数	E: 1~3	
FFFF	Norminal AC output voltage 额定输出电压	F: 0~9, unit: 0.1V	
GGGG	Norminal AC input voltage	G: 0~9, unit: 0.1V	
НН	额定输入电压 Battery piece number	H: 0~9	
III	电池节数 Battery standard voltage per unit	I: 0~9, unit: 0.1V	
	每节电池标准电压	1. 0 7, with 0.1 f	
^P005PIRI <cr></cr>	: Query rated information		
Response: ^D047AAAA,BBB,CCCC,DDDD,EEEE,FFFF,GGGG,H,II,J,K,L,M,NN,OO <crc><cr></cr></crc>			
Data	Description	Remark	
AAAA	AC input rated voltage AC输入额定电压	A: 0~9, unit: 0.1V	
BBB	AC input rated frequency AC输入额定频率	B: 0~9, unit: 0.1Hz	
CCCC	AC input rated current AC输入额定电流	C: 0~9, unit: 0.1A	
DDDD	AC output rated voltage	D: 0~9, unit: 0.1V	
EEEE	AC输出额定电压 AC output rated current	E: 0~9, unit: 0.1A	
FFFF	AC输出额定电流 MPPT rated current per string	F: 0~9, unit: 0.1A	
	每路MPPT额定电流 Battery rated voltage		
GGGG	电池额定电压	G: 0~9, unit: 0.1V	

Н	MPPT track number	H: 0~9
П	MPPT组数 Machine type	n: 0~9
II	机型	00: Grid type, 01: Off-grid type, 10: Hybrid type
J	Topology 拓扑	0: transformerless, 1: transformer
K	Enable/Disable parallel for output	0: disable, 1: enable
L	Enable/Disable for real-time control	0: disable, 1: enable
M	reserved	(Only for 15KW)
NN OO	Parallel status charge status	0: NEW,1: slave,2: Master(适用于WP系列机器) 0:discharge ,1: CV, 2: Float, 3:CC(适用于WP系列机器)
		O.discharge 、T. C v、2. Float、3.CC(起州 1 WT 水戸がに出り
	: Query general status 114AAAAA,BBBBB,CCCC,DDDD,EEEE,FFI	E +GGGGG HHHH IIII IIII KKKK I I I I
	OO,PPPP,QQQQ,RRRR,,,,VVV,WWW,XXX,	Y,Z <crc><cr></cr></crc>
Data	Description	Remark
AAAAA0	Solar input voltage 1 Solar1输入电压	A: 0~9, unit: 0.1V
BBBBB1	Solar input voltage 2 Solar2输入电压	B: 0~9, unit: 0.1V
CCCC2	Solar input current 1	C: 0~9, unit: 0.01A
DDDD3	Solar1输入电流 Solar input current 2	D: 0~9, unit: 0.01A
EEEE4	Solar2输入电流 Battery voltage	E: 0~9, unit: 0.1V
	电池电压 Battery capacity	· · · · · · · · · · · · · · · · · · ·
FFF5	电池容量	F: 0~9, unit: %
±GGGGG6	Battery current 电池电流	G: 0~9, unit: 0.1A, +: charge, -: discharge
НННН7	AC input voltage R AC输入R相电压	H: 0~9, unit: 0.1V
IIII8	AC input voltage S AC输入S相电压	I: 0~9, unit: 0.1V
JJJJ9	AC input voltage T AC输入T相电压	J: 0~9, unit: 0.1V
KKKK10	AC input frequency AC输入频率	K: 0~9, unit: 0.01Hz
LLLL11	AC input current R AC输入R相电流 Reserved	L: 0~9, unit: 0.1A
MMMM12	AC input current S AC输入S相电流 Reserved	M: 0~9, unit: 0.1A
NNNN13	AC input current T AC输入T相电流 Reserved	N: 0~9, unit: 0.1A
000014	AC output voltage R AC输出R相电压	O: 0~9, unit: 0.1V
PPPP15	AC output voltage S AC输出S相电压	P: 0~9, unit: 0.1V
QQQQ16	AC output voltage T AC输出T相电压	Q: 0~9, unit: 0.1V
RRRR17	AC output frequency AC输出频率	R: 0~9, unit: 0.01Hz
VVV18	Inner temperature 内部环温	V: 0~9, unit: degree centigrade
WWW19	Component max temperature 内部机件最高温度	W: 0~9, unit: degree centigrade
XXX20	External battery temperature 外部电池温度	X: 0~9, unit: degree centigrade
Y21	Setting change bit	0: No setting change
	设置有变化标识位 L1-L2 OP Angle	1: Setting charge, you have to inquire all of command. 1:120度
Z22	L1-L2输出角度	2:180度
^P004GS2 <cr< td=""><td>: Query Query Generator and secondary output</td><td>ut information</td></cr<>	: Query Query Generator and secondary output	ut information
		F,GGGG,HHHH,IIII,JJJJ,KKKK,LLLL,MMMM,NNNN,OOO <crc><cr></cr></crc>
Data	Description	Remark
AAAAA0	Solar input voltage 3 Solar3输入电压	A: 0~9, unit: 0.1V
BBBB1	Solar input current 3 Solar3输入电流	B: 0~9, unit: 0.01A
CCCC2	Generator input voltage R 发电机输入 R相电压	C: 0~9, unit: 0.1V
DDDD3	Generator input voltage S 发电机输入S相电压	D: 0~9, unit: 0.1V
EEEE4	Generator input voltage T 发电机输入T相电压	E: 0~9, unit: 0.1V
FFFF5	Generator input frequency	F: 0~9, unit: 0.01Hz
	发电机输入频率	

GGGG6	AC output voltage R	I: 0~9, unit: 0.1V
00000	AC输出R相电压	1. 0~9, unit. 0.1 v
НННН7	AC output voltage S	J: 0~9, unit: 0.1V
пппп/	AC输出S相电压	J. 0~9, unit. 0.1 v
IIII8	AC output voltage T	K: 0~9, unit: 0.1V
11110	AC输出T相电压	K. 0~9, unit. 0.1 v
ЈЈЈЈ9	AC output frequency	L: 0~9, unit: 0.01Hz
33339	AC输出频率	L. 0~9, unit. 0.01112
KKKK10	Battery under voltage for 2rd output	n: 0~9, unit: 0.1V
LLLL11	Battery under-back voltage for 2rd output	n: 0~9, unit: 0.1V
MMMM12	reserved	
NNNN13	reserved	
00014	Second output load duration	aaa:000-995min; 000:Always loaded
00014	第二路输出带载持续时间	aaa.000-995mm, 000.Atways loaded
^P003PS <cr>: Query power status</cr>		

Response:
^D107AAAAA,BBBBB,,±DDDDD,±EEEEE,±FFFFF,±GGGGG,HHHHHH,IIIII,JJJJJ,KKKKK,LLLLL,MMMMM,NNNNN,OOOOO,PPP,Q,R,S,T,U,

Data	Description	Remark
AAAAA0	Solar input power 1 Solar1输入功率	A: 0~9, unit: W
BBBBB1	Solar input power 2 Solar2输入功率	B: 0~9, unit: W
±DDDDD2	AC input active power R AC输入R相有功功率	D: 0~9, unit: W, +: input, -: output
±EEEEE3	AC input active power S AC输入S相有功功率	E: 0~9, unit: W, +: input, -: output
±FFFFF4	AC input active power T AC输入T相有功功率	F: 0~9, unit: W, +: input, -: output
±GGGGG5	AC input total active power AC输入有功总功率	G: 0~9, unit: W, +: input, -: output
ннннн6	AC output active power R AC输出R相有功功率	H: 0~9, unit: W
IIII7	AC output active power S AC输出S相有功功率	I: 0~9, unit: W
111118	AC output active power TAC输出T相有功功率	J: 0~9, unit: W
KKKKK9	AC output total active power AC输出有功总功率	K: 0~9, unit: W
LLLLL10	AC output apperent power R AC输出R相视在功率	L: 0~9, unit: VA
MMMMM11	AC output apperent power S AC输出S相视在功率	M: 0~9, unit: VA
NNNNN12	AC output apperent power T AC输出T相视在功率	N: 0~9, unit: VA
0000013	AC output total apperent power AC输出视在总功率	O: 0~9, unit: VA
PPP14	AC output power percentage AC输出功率百分比	P: 0~9, unit: %
Q15	AC output connect status AC输出连接状态	0: disconnect, 1: connect
R16	Solar input 1 work status Solar1工作状态	0: idle, 1: work
S17	Solar input 2 work status Solar2工作状态	0: idle, 1: work
T18	Battery power direction 电池能量流动方向	0: donothing, 1: charge, 2: discharge
U19	DC/AC power direction DC/AC能量流动方向	0: donothing, 1: AC-DC, 2: DC-AC
V20	Line power direction 市电能量流动方向	0: donothing, 1: input, 2: output

^P004PS2<cr>: Query Generator and secondary output information

Response: ^D082AAAAA,BBBBB,CCCCC,DDDDD,EEEEE,FFFFF,GGGGG,HHHHHH,I,JJJJJ,KKKKK,LLLLL,MMMMM,NNN,O,P<CRC><cr>

Data	Description	Remark
AAAAA0	Solar input power 3 Solar3输入功率	A: 0~9, unit: W
BBBBB1	Generator input active power R 发电机输入R相有功功率	B: 0~9, unit: W
CCCC2	Generator input active power S 发电机输入S相有功功率	C: 0~9, unit: W
DDDDD3	Generator input active power T 发电机输入T相有功功率	D: 0~9, unit: W
EEEEE4	Generator input total active power 发电机输入有功总功率	E: 0~9, unit: W
FFFFF5	AC output active power R AC输出R相有功功率	F: 0~9, unit: W

A	AC output active power S AC输出S相有功功率 AC output active power T AC输出T相有功功率 AC output total active power AC输出有功总功率 AC output apperent power R AC输出R相视在功率 AC output apperent power S AC输出S相视在功率	G: 0~9, unit: W H: 0~9, unit: W I: 0~9, unit: W J: 0~9, unit: VA
HHHHHH7 A IIIII8 A JJJJJ9 KKKKK10 A LLLLL11 A MMMMMM12	AC output active power T AC输出T相有功功率 AC output total active power AC输出有功总功率 AC output apperent power R AC输出R相视在功率 AC output apperent power S	I: 0~9, unit: W J: 0~9, unit: VA
A A A A A A A A A A	AC output total active power AC輸出有功总功率 AC output apperent power R AC輸出R相视在功率 AC output apperent power S	I: 0~9, unit: W J: 0~9, unit: VA
JJJJJ9 A KKKKK10 A LLLLL11 A MMMMMM12 A	AC output apperent power R AC输出R相视在功率 AC output apperent power S	J: 0~9, unit: VA
KKKKK10 A LLLLL11 A MMMMM12 A	AC输出R相视在功率 AC output apperent power S	
LLLLL11 A MMMMM12 A		
MMMMM12 A	10 間 日 2 1 日 2 日 7 1	K: 0~9, unit: VA
MMMMM12 A	AC output apperent power T AC输出T相视在功率	L: 0~9, unit: VA
Δ	AC output total apperent power AC输出视在总功率	M: 0~9, unit: VA
NNN13 A	AC output power percentage	N: 0~9, unit: %
O14 S	AC输出功率百分比 Solar input 3 work status	O:0: idle, 1: work
S	Solar3工作状态 AC output connect status	P:0: disconnect, 1: connect
A A	AC输出连接状态	F.O. disconnect, 1. connect
^P004MOD <cr>:</cr>	: Query working mode	
Response: ^D005	5XX <crc><cr></cr></crc>	
Data D	Description	Remark
0		Power on mode
1		Standby mode
2		Bypass mode
XX <u>3</u>		Battery mode
4		Fault mode
5		Hybrid mode(Line mode, Grid mode)
6)	Charge mode
1.DOC 2.77		
	Query warning status	
	E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W <crc><cr></cr></crc>	-
	Description	Remark
	Solar input 1 loss	Solar input 1 voltage exceed the acceptable range
	Solar1输入电压超出可用范围	
I B	Solar input 2 loss Solar2输入电压超出可用范围	Solar input 2 voltage exceed the acceptable range
C	Solar input 1 voltage too higher	Solar input 1 voltage exceed the highest level
S	Solar1输入电压过高 Solar input 2 voltage too higher	Solar input 2 voltage exceed the highest level
S	Solar2输入电压过高 Battery under	
E Ę	电池电压过低 Battery low	Battery voltage drop to unacceptable level
r Ę	电池电压偏低	Battery voltage near to unacceptable level
G #	Battery open 电池未接	Battery disconnected
I H	Battery voltage too higher 电池电压过高	Battery voltage exceed the highest level
	Battery low in hybrid mode 生hybrid工作模式下,电池已低于其允许的放电电压	Battery voltage drop to unacceptable level of hybrid mode
, G	Grid voltage high loss	AC input voltage higher than the highest level of AC feeding
K G	AC输入电压超过可并网最高电压 Grid voltage low loss	voltage AC input voltage lower than the lowest level of AC feeding
Α	AC输入电压低于可并网最低电压 Grid frequency high loss	voltage AC input frequency higher than the highest level of AC feeding
L A	AC输入电压超过可并网最高频率	frequency
I N /I	Grid frequency low loss AC输入电压低于可并网最低频率	AC input voltage lower than the lowest level of AC feeding frequency
	AC input long-time average voltage over AC输入电压平均值长时间超过其允许的电压	AC input long-time average voltage exceed the highest level
O A	AC input voltage loss AC输入电压超出可使用范围	AC input voltage out of acceptable range
	AC input frequency loss	AC input frequency out of acceptable range
	AC输入频率超出可使用范围	AC input has been detected for the island
A A	AC input island	IAC liput has occir detected for the island
Q A A A A	AC输入孤岛 AC input phase dislocation	
P A A A A A	AC输入孤岛 AC input phase dislocation AC输入相序错误	AC input three phase dislocation
P A A A A S O D	AC输入孤岛 AC input phase dislocation AC输入相序错误 Over temperature 过温	AC input three phase dislocation Machine temperature near to unacceptable level
P A A A A A A C D D D D D D D D D D D D D	AC输入孤岛 AC input phase dislocation AC输入相序错误 Over temperature	AC input three phase dislocation

V	AC input wave loss AC输入波形异常	AC input wave terrible
W	Equalization states 均充状态	The batteries are fully charged
A DOOGETY A C		
	cr>: Query enable/disable flag status 40A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U <crc><cr></cr></crc>	
Data	Description	Remark
A	Mute buzzer beep 静音蜂鸣器	A: 0/1, 0: disable, 1: enable
В	Mute buzzer beep in standby mode 在Standby mode下,静音蜂鸣器	B: 0/1, 0: disable, 1: enable
С	Mute buzzer beep only on battery discharged status 在电池放电状态下,静音蜂鸣器	C: 0/1, 0: disable, 1: enable
D	Generator as AC input 发电机作为AC输入	C: 0/1, 0: disable, 1: enable
Е	Wide AC input range 宽的AC输入范围	C: 0/1, 0: disable, 1: enable
F	N/G relay close in battery mode N/G继电器在电池模式下闭合	F: 0/1, 0: disable, 1: enable
G	De-rating power for Grid voltage 根据市电电压降额	G: 0/1, 0: disable, 1: enable
Н	De-rating power for Grid frequency 根据市电频率降额	H: 0/1, 0: disable, 1: enable
Ι	BMS Battery Connect BMS锂电池控制	I: 0/1, 0: disable, 1: enable
J	Low frequency De-rating power 低频降额	J:0/1, 0: disable, 1: enable
K	LVRT(Low voltage ride through) 低穿	K:0/1, 0: disable, 1: enable
L	HVRT(High voltage ride through) 高穿	L:0/1, 0: disable, 1: enable
M	Charge power limit(Only for VDE 4105)	M:0/1, 0: disable, 1: enable
N	External CT RLY Connect 外部CT继电器控制	N: 0/1, 0: disable, 1: enable
О	PV parallel PV并联	O:0/1, 0: disable, 1: enable
P	Ac output coupling 交流输出耦合	P:0/1, 0: disable, 1: enable
Q	reserved	Q:0/1, 0: disable, 1: enable
R	reserved	R:0/1, 0: disable, 1: enable
S	Allow opening of second output 允许第二路输出开启	S:0/1, 0: disable, 1: enable
Т	GFCI Chk 漏电流检测	T:0/1, 0: disable, 1: enable
U	RAPID ON	U:0/1, 0: disable, 1: enable
^P002T <cr>: 0</cr>	Query current time	
	17YYYMMDDHHFFSS <crc><cr></cr></crc>	
Data	Description	Remark
YYYY	Year	Y: 0~9
MM	Month	M: 0~9
DD	Day	D: 0~9
НН	Hour	H: 0~9
FF	Minute	F: 0~9
SS	Second	S: 0~9
For example: ^D01720140	0214201314 means the time of 2014-02-14, 20: 13: 14.	
	Query total generated energy 查询总发电量	
Response: ^D0 Data	11NNNNNNNNCRC> <cr> Description</cr>	Remark
NNNNNNN	Generated energy	N: 0~9, unit: KWh
^P010EYyyyynnn <cr>: Query generated energy of year 查询年发电量</cr>		

Data Description Descri	Response: ^D(012NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN			
### Description ### Descript	•		Remark		
## Do-9, nan is a decimal number, and it is low 81 NNNNNNNN Generated energy **P010EMyyyymunans** Generated energy **P010EMyyyymunans** Generated energy **Reputs** **P011NNNNNNNCRU** Response** Data Description **Description **Benark* **P010EMyyymundhmn** **Generated energy of month fairly fulls **Reputs** **P010EMyyymundhmn** **To 9-9, nan is a decimal number, and it is low 81 hexadecimal type. **NNNNNN Generated energy of day **Tailly Zhill Response** **P014EDyyyymundhmn** **Generated energy of day **Tailly Zhill Response** **P014EDyyyymundhmn** **Generated energy of day **Tailly Zhill Response** **P014EDyyyymundhmn** **Tailly Zhill Response** **P014EDyyyymundhmn** **Generated energy of day **Tailly Zhill Response** **P014EDyyymundhmn** **P014EDyyymundhmn** **Generated energy of day **Tailly Zhill Response** **P014EDyyymundhmn** **Tailly Zhill Response** **P014EDyyymundhmn** **Tailly Zhill Response** **P014EDyyymundhmn** **Tailly Zhill Response** **Tailly Zhill Zhill Zhill Response** **Tailly Zhill Zhill Response** **Tailly Zhill Zhill Response** **Tailly Zhill Zhill Zhill Response** **Tailly Zhill Zhill Zhill Zhill Zhill Zhill Zhill Zhill Zhill Zhil		*			
No.		the sum of character string "^P010EYyyyy"	n: 0~9, nnn is a decimal number, and it is low 8 bits of its hexadecimal type.		
Reponse ** DOENNNNN CRC*** Response ** DOI INNNNNN CRC** Response ** DOI INNNNNN CRC** Winn Description		Generated energy	**		
Response: **700 INNNNNNC CRC > < *** Data Description	N				
Remark	^P012EMyyyy				
yyyy Year	Response: ^D()11NNNNNNNN <crc><cr></cr></crc>			
mm Month must be sum of character string "^P010EMyyyymm"	Data	<u> </u>	Remark		
mn	уууу				
Besaude in the sum of character string ***1010EMyyyymm*	mm	Month			
POIAEDPypyymmodinns-cr>Query generated energy of day			* *		
Response: **D009NNNNNNCRC <cr> Data Description</cr>	NNNNNN	Generated energy	N: 0~9, unit: Wh		
Data Description Permark Poly Pol	^P014EDyyyy				
yyy Year	Response: ^D(009NNNNNN <crc><cr></cr></crc>			
mm Month	_		Remark		
mm Month	уууу				
mn the sum of character string "^P010EDyyyymmdd" has decimal number, and it is low 8 l hexadecimal type. NNNNNN Generated energy NN-0-9, unit: Wh **P016EHyyyymmddhhnnn<*cr> ***********************************	mm	Month			
Ins. sum of character string "POIDEDyyyymando" hexadecimal type.	dd	Day			
P016EHyyyymmddhhnnn <cr></cr>	nnn	the sum of character string "^P010EDyyyymmdd"	n: 0~9, nnn is a decimal number, and it is low 8 bits of its hexadecimal type.		
音句小財大电量	NNNNN	Generated energy	N: 0~9, unit: Wh		
Response: ^D008NNNNNCRC> <cr> Data Description</cr>	^Р016ЕНуууу				
Data Description Personal	Response: ^D(
yyyy Year year year year year year year year y			Remark		
Month Mo		*			
hh Hour he sum of character string "^P010EHyyyymmddhh" he cadecimal type. NNNNN Generated energy N: 0-9, unit is a decimal number, and it is low 81 hexadecimal type. NNNNN Generated energy N: 0-9, unit: Wh ^P004GOV <cr> ^P004GOV<cr> ^Query AC input voltage acceptable range for feed power 音询并阿电压范围 Response: ^D002AAAA,BBBBCCCC,DDDD<crc><cr> Data Description AAAA The highest voltage A: 0-9, unit: 0.1V BBBB The lowest voltage B: 0-9, unit: 0.1V CCCC The highest back voltage A: 0-9, unit: 0.1V DDDD The lowest back voltage B: 0-9, unit: 0.1V ^P004GOF<cr> ^Query AC input frequency acceptable range of feed power 音询并阿频率范围 Response: ^D002AAAA,BBBBCCCC,DDDD<crc><cr> Data Description AAAA The highest frequency A: 0-9, unit: 0.01Hz BBBB The lowest frequency B: 0-9, unit: 0.01Hz CCCC The highest back frequency A: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz P005GPMP<cr> Cuery Lhe maximum output power Response: ^D012AAAAAA Response: ^D012AAAAAA Remark AAAAA The maximum power A: 0-9, unit: W **P005GPMP<cr> Cuery Usery the maximum output power for feeding grid 合词是大并因功案 Response: ^D008AAAAA Response: ^D008AAAAA Remark AAAAA The maximum power A: 0-9, unit: W **P006MPTV<cr> Cuery Solar input MPPT acceptable range 合物MPT范围 Response: ^D012AAAABBBB-CCR **Cre>*** **P006MPTV<cr> **Query Solar input MPPT acceptable range 合物MPT范围 Response: ^D012AAAABBBB-CCR **Cre>** **P006MPTV<cr> **Query Solar input MPPT acceptable range 合物MPT范围 Response: ^D012AAAABBBB-CCR **Cre>** **P0012AAAABBBB-CCR **Cre>** **P0012AAAAABBBB-CCR **Cre>** **P0012AAAAABBBB-CCR **Cre>** **P0012AAAABBBB-CCR **Cre>** **P0012A</cr></cr></cr></cr></cr></cr></crc></cr></cr></crc></cr></cr>		Month			
hh Hour he sum of character string "^P010EHyyyymmddhh" he sadecimal number, and it is low 81 he sadecimal type. NNNNN Generated energy N: 0-9, unit: Wh ^P004GOV <cr></cr>					
hexadecimal type hexadecimal type hexadecimal type NNNNN Generated energy N: 0-9, unit: Wh		Hour	h: 0~9		
^P004GOV <cr></cr>		· · · · · · · · · · · · · · · · · · ·	hexadecimal type.		
Response: ^D022AAAA,BBBB,CCC,DDDD <crc><cr> Data Description A: 0-9, unit: 0.1V BBBB The lowest voltage B: 0-9, unit: 0.1V CCCC The highest back voltage B: 0-9, unit: 0.1V DDDD The lowest back voltage B: 0-9, unit: 0.1V P004GOF<cr> CPO04GOF<cr> Query AC input frequency acceptable range of feed power 查询并网频率范围 Response: ^D022AAAA,BBBB,CCCC,DDDD<crc><cr> Data Description AAAA The highest frequency B: 0-9, unit: 0.01Hz BBBB The lowest frequency B: 0-9, unit: 0.01Hz BBBB The lowest frequency B: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz CCCC The highest back frequency B: 0-9, unit: 0.01Hz DDDD The lowest frequency B: 0-9, unit: 0.01Hz CCCC The highest back frequency B: 0-9, unit: 0.01Hz P005OPMP<-cr> Query the maximum output power Response: ^D012AAAAAA<crc><cr> Data Description AAAAAA The maximum power Response: ^D012AAAAAAACCRC><cr> Data Description AAAAAA The maximum power Response: ^D008AAAAAACCRC><cr> Data Description Remark AAAAAA The maximum power A: 0-9, unit: W P005GPMP<-cr> Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAAACRC><cr> Data Description Remark AAAAAA The maximum power A: 0-9, unit: W P006MPPTV<-cr> Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBBC-CRC><cr> P006MPPTV<-cr> Query Solar input MPPT acceptable range 查询MPPT范围</cr></cr></cr></cr></cr></crc></cr></crc></cr></cr></cr></crc>			14. 0~9, unit. wii		
Data Description		查询并网电压范围			
AAAA The highest voltage BBB The lowest voltage B: 0-9, unit: 0.1V CCCC The highest back voltage A: 0-9, unit: 0.1V DDDD The lowest back voltage B: 0-9, unit: 0.1V P004GOF <cr> CWA Company AC input frequency acceptable range of feed power 音询并阿頻率范围 Response: ^D022AAAA,BBBB,CCCC,DDDD<crc><cr> Data Description AAAA The highest frequency AA: 0-9, unit: 0.01Hz BBBB The lowest frequency B: 0-9, unit: 0.01Hz CCCC The highest back frequency A: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz DDDD The lowest back frequency B: 0-9, unit: 0.01Hz P005OPMP<cr> Response: ^D012AAAAAA The maximum output power Response: ^D012AAAAAAA The maximum power A: 0-9, unit: W P005GPMP<cr> CWCP: Query the maximum output power for feeding grid 音询最大并同功率 Response: ^D012AAAAAA The maximum power A: 0-9, unit: W P005GPMPTV<cr> CWCP: Query Solar input MPPT acceptable range 音询MPPT范围 Response: ^D012AAAA,BBBB Response: ^D012AAAA,BBBBC<crc><cr> CPO06MPPTV<cr> CWCP: Query Solar input MPPT acceptable range 音询MPPT范围 Response: ^D012AAAA,BBBBC<crc><cr> CPO06MPPTV<cr> CWCP SOLAR ABBBBC A: 0-9, unit: W</cr></cr></crc></cr></cr></crc></cr></cr></cr></cr></crc></cr>	_				
BBBB The lowest voltage B: 0~9, unit: 0.1 V CCCC The highest back voltage A: 0~9, unit: 0.1 V DDDD The lowest back voltage B: 0~9, unit: 0.1 V P004GOF <cr></cr>					
CCCC			· · · · · · · · · · · · · · · · · · ·		
DDDD			,		
Propose			· · · · · · · · · · · · · · · · · · ·		
度询并网频率范围 Response: ^D022AAAA,BBBB,CCCC,DDDD <crc><cr> Data Description Remark AAAA The highest frequency A: 0~9, unit: 0.01Hz BBBB The lowest frequency B: 0~9, unit: 0.01Hz CCCC The highest back frequency A: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz PDDD The lowest back frequency B: 0~9, unit: 0.01Hz P005OPMP<r> Response: ^D012AAAAAA The maximum output power Response: ^D012AAAAAAA The maximum power A: 0~9, unit: W P005GPMP<cr> P005GPMP<cr> Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA The maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA The maximum power A: 0~9, unit: W P006MPPTV<cr> P006MPPTV<cr> Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBBCCRC><cr></cr></cr></cr></cr></cr></r></cr></crc>					
Data Description Remark AAAA The highest frequency A: 0~9, unit: 0.01Hz BBBB The lowest frequency B: 0~9, unit: 0.01Hz CCCC The highest back frequency A: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz PP005OPMP <er></er>		查询并网频率范围			
AAAA The highest frequency B: 0~9, unit: 0.01Hz BBBB The lowest frequency B: 0~9, unit: 0.01Hz CCCC The highest back frequency A: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz A**P005OPMP <er> Response: ^D012AAAAAA AAAAAA The maximum power A**AAAAA The maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAAACRC><cr> Data Description A: 0~9, unit: W A**P005GPMP<cr> Cuery the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAACRC><cr> Data Description Remark AAAAA The maximum power A**O~9, unit: W</cr></cr></cr></er>			Dama :1		
BBBB The lowest frequency B: 0~9, unit: 0.01Hz CCCC The highest back frequency A: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz P005OPMP <cr> Response: ^D012AAAAAA AAAAAA The maximum power Response: ^D008AAAAA Response: ^D008AAAAA CRC><cr> Data Description A: 0~9, unit: W P005GPMP<cr> (CP) Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA Response: ^D008AAAAA CRC><cr> Data Description Remark AAAAA The maximum power A: 0~9, unit: W P006MPPTV<cr> (CP) Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBB Response: ^D012AAAA,BBBBS CRC><cr> (CP) CRCC (CP) Unit: W P006MPPTV Remark A: 0~9, unit: W</cr></cr></cr></cr></cr></cr>					
CCCC The highest back frequency A: 0~9, unit: 0.01Hz DDDD The lowest back frequency B: 0~9, unit: 0.01Hz A**P005OPMP <cr> Response: ^D012AAAAAA Response: ^D012AAAAAAA AAAAAA The maximum power A: 0~9, unit: W A**P005GPMP<cr> P005GPMP<cr> Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAAA Response: ^D008AAAAAA The maximum power A: 0~9, unit: W A**P005GPMP A**P005GPMP A**P005GPMP A**P008AAAAA A**P008AAAAA A**P008AAAAA A**P008AAAAA A**P008AAAAA A**P008AAAAA A**P008AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</cr></cr></cr>			,		
DDDD The lowest back frequency B: 0~9, unit: 0.01Hz P005OPMP <er>: Query the maximum output power Response: ^D012AAAAAA<crc><er> Data Description Remark AAAAAA The maximum power ^P005GPMP<cr>: Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA<crc><cr> Data Description Remark AAAAA The maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA<crc><cr> Data Description Remark AAAAA The maximum power A: 0~9, unit: W</cr></crc></cr></crc></cr></er></crc></er>		* *	· · · · · · · · · · · · · · · · · · ·		
Response: ^D012AAAAAA			,		
Response: ^D012AAAAAA	^P005OPMP<	cr>: Query the maximum output power			
AAAAAA The maximum power A: 0-9, unit: W ^P005GPMP <cr> Cr>: Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA<crc><cr> Data Description Remark AAAAA The maximum power A: 0~9, unit: W ^P006MPPTV<cr> Cr>: Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBB<crc><cr> Remark A: 0~9, unit: W</cr></crc></cr></cr></crc></cr>					
^P005GPMP <cr>: Query the maximum output power for feeding grid 查询最大并网功率 Response: ^D008AAAAA<crc><cr></cr></crc></cr>	Data	Description	Remark		
直询最大并网功率 Response: ^D008AAAAA CRC> <cr></cr>	$AA\overline{AAAA}$	The maximum power	A: 0~9, unit: W		
Response: ^D008AAAAA <crc><cr> Data Description Remark AAAAA The maximum power A: 0~9, unit: W ^P006MPPTV<cr>: Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBB<crc><cr>></cr></crc></cr></cr></crc>	^P005GPMP<				
Data Description Remark AAAAA The maximum power A: 0~9, unit: W ^P006MPPTV <cr>: Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBB<crc><cr>></cr></crc></cr>	Response: ^D(
AAAAA The maximum power A: 0~9, unit: W ^P006MPPTV <cr>: Query Solar input MPPT acceptable range 查询MPPT范围 Response: ^D012AAAA,BBBB<crc><cr>></cr></crc></cr>	_		Remark		
查询MPPT范围 Response: ^D012AAAA,BBBB <crc><cr></cr></crc>		*			
Response: ^D012AAAA,BBBB <crc><cr></cr></crc>	^P006MPPTV	· · · · · · · · · · · · · · · · · · ·			
	Response: ADO				
Description Description	Response: ^D(Description	Remark		
AAAA The highest voltage A: 0~9, unit: 0.1V		*			
BBBB The lowest voltage B: 0~9, unit: 0.1V					
D. 0 '7, unit. 0.1 v		122 10 11 00 10 10 10 10 10 10 10 10 10 10	[D. 0 7, min. 0.1]		

^P003SV<cr>: Query Solar input voltage acceptable range 查询Solar输入电压范围 Response: ^D013AAAAA,BBBB<CRC><cr> Description Data Remark AAAAA The highest voltage A: 0~9, unit: 0.1V BBBB B: 0~9, unit: 0.1V The lowest voltage ^P004LST<cr>: Query LCD sleep wait time 查询LCD休眠等待时间 Response: ^D005AA<CRC><cr> Description Data Remark AA: 00, 01, 02, 10, 20 for selection, unit: 30second. AA Wait time 00 means LCD always light ^P003DI<cr>: Query default value of changeable parameter 查询可设置参数的默认值 Response: D123AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJ,KKKK,LLLL,MMMM,NNN,OOOO,PPPP,QQQQ,RRRR,SSSS,TTTT,UUUU VVVV,WWWW,XXX,YYYYY<CRC><cr> Description Data Remark AC input highest voltage for feed power AAAA0 A: 0~9, unit: 0.1V AC输入可并网最高电压 AC input lowest voltage for feed power BBBB1 B: 0~9, unit: 0.1V AC输入可并网最低电压 AC input highest frequency for feed power CCCC2 C: 0~9, unit: 0.01Hz AC输入可并网最高频率 AC input lowest frequency for feed power DDDD3 D: 0~9, unit: 0.01Hz AC输入可并网最低频率 Solar input highest MPPT voltage EEEE4 E: 0~9, unit: 0.1V Solar输入允许最高MPPT电压 Solar input lowest MPPT voltage FFFF5 F: 0~9, unit: 0.1V Solar输入允许最低MPPT电压 Solar input highest voltage GGGG6 G: 0~9, unit: 0.1V Solar输入允许最高电压 Solar input lowest voltage **НННН7** H: 0~9, unit: 0.1V Solar输入允许最低电压 AC input long-time highest average voltage 8IIII I: 0~9, unit: 0.1V AC输入长时间平均值允许的最高电压 LCD sleep wait time JJ9 JJ: 00, 01, 02, 10, 20, unit: 30second LCD休眠等待时间 Battery maximum charge current KKKK K: 0~9, unit: 0.1A 电池允许最大充电电流 Battery constant charge voltage(C.V.) LLLL L: 0~9, unit: 0.1V 电池C.V.点充电电压 Battery float charge voltage MMMM M: 0~9, unit: 0.1V 电池浮充点电压 The wait time for feed power NNN N: 0~9, unit: Second 并网等待时间 Start time for support loads 0000 O: 0~9, Format: HHMM, example: 1230 meas 12:30 允许AC带载起始时间 Ending time for support loads **PPPP** P: 0~9, Format: HHMM, example: 1230 meas 12:30 允许AC带载结束时间 Start time for AC charger QQQQ Q: 0~9, Format: HHMM, example: 1230 meas 12:30 允许AC充电起始时间 Ending time for AC charger RRRR R: 0~9, Format: HHMM, example: 1230 meas 12:30 允许AC充电结束时间 Battery under voltage SSSS S: 0~9, unit: 0.1V 电池最低放电电压点 Battery under back voltage TTTT T: 0~9, unit: 0.1V 电池恢复放电电压点 Battery weak voltage in hybrid mode UUUU U: 0~9, unit: 0.1V Hybrid mode工作状态下,电池最低放电电压点 Battery weak back voltage in hybrid mode VVVV V: 0~9, unit: 0.1V Hybrid mode工作状态下, 电池恢复放电电压点 Battery stop charger current level in floating charging WWWW W: 0~9, unit: 0.1A 浮充状态下, 允许关闭充电器的充电电流点 Keep charged time of battery catch stop charger current level XXXX: $0\sim9$, unit: Minute 浮充状态下,电池到达允许关闭充电器的充电电流点后关闭充 电器的等待时间 Battery voltage of recover to charge when battery stop charger in YYYY Y: 0~9, unit: 0.1V floating charging <u>浮充状态下,电池恢复充电的电压点</u> ^P005BATS<cr>: Query battery setting Response: ^D076AAAA,BBBB,CCCC,DDDD,EEE,FFFF,GGGG,HHHH,IIII,JJJJ,K,,,S,TTTT,UUU,VVVV,WWWW<CRC><cr> Data Description

AAAA	Battery maximum charge current 电池允许的最大充电电流	A: 0~9, unit: 0.1A
DDDD	电池允许的取入允电电流 Battery constant charge voltage(C.V.)	D 0 0 0 11/
BBBB	电池C.V.充电电压	B: 0~9, unit: 0.1V
CCCC	Battery floating charge voltage 电池浮充电压	C: 0~9, unit: 0.1V
DDDD	Battery stop charger current level in floating charging 浮充状态下,允许关闭充电器的充电电流点	D: 0~9, unit: 0.1A
EEE	Keep charged time of battery catch stopped charging current level 浮充状态下,电池到达允许关闭充电器的充电电流点后关闭充电器的等待时间	E: 0~9, unit: Minute
FFFF	Battery voltage of recover to charge when battery stop charger in floating charging 浮充状态下,电池恢复充电的电压点	F: 0~9, unit: 0.1V
GGGG	Battery under voltage 电池最低放电电压点	G: 0~9, unit: 0.1V
нннн	Battery under back voltage 电池恢复放电电压点	H: 0~9, unit: 0.1V
IIII	Battery weak voltage in hybrid mode	I: 0~9, unit: 0.1V
	Hybrid mode工作状态下,电池最低放电电压点 Battery weak back voltage in hybrid mode	<u> </u>
]]]]	Hybrid mode工作状态下,电池恢复放电电压点	J: 0~9, unit: 0.1V
K	Battery type 电池类型	0: Ordinary, 1: Li-Fe
S	AC charger keep battery voltage function enable/diable	0: disable, 1: enable
TTTT	AC charger keep battery voltage	T: 0~9, unit: 0.1V
UUU	Battery temperature sensor compensation	U: 0~9, unit: 0.1mV
VVVV	Max. AC charging current	V: 0~9, unit: 0.1A
WWWW	Battery discharge max current in hybrid mode	W: 0~9, unit: A
	r>: Query machine model	
	0006AAA <crc><cr></cr></crc>	•
Data	Description	Remark
	050	Hybrid type VDE certification
	051	Hybrid type AS4777 certification
	052	Hybrid type DK certification
	053	7 71
		Hybrid type RD1663 certification
	054	Hybrid type G83 certification
	055	Hybrid type Taiwan certification
	056	Hybrid type USH certification
	057	Hybrid type USL certification
	058	Hybrid type VDE4105 certification
	059	Hybrid type Korea certification
		V V1
	060	Hybrid type HongSun certification
	061	Hybrid type Sweden certification
	062	Hybrid type NRS097 certification
	063	Hybrid type Indian certification
	064	Hybrid type EN50438 certification
	065	Hybrid type EN50438(Czech) certification
	066	Hybrid type EN50438(DanMark) certification
	067	Hybrid type EN50438(Finland) certification
	068	Hybrid type EN50438(Ireland) certification
	069	Hybrid type EN50438(Norway) certification
	70	Hybrid type CEI-021 certification
		• • • • • • • • • • • • • • • • • • • •
	71	Hybrid type G59 certification
	71 72	Hybrid type G59 certification Hybrid type NZLD certification
	72	Hybrid type NZLD certification
	72 73	Hybrid type NZLD certification Hybrid type Cyprus certification
	72 73 74	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification
	72 73 74 75	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification
	72 73 74 75 76	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification
	72 73 74 75 76 77	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification
ΑΑΑ	72 73 74 75 76	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification
AAA	72 73 74 75 76 77	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification
AAA	72 73 74 75 76 77 100	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification
AAA	72 73 74 75 76 77 100	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification
AAA	72 73 74 75 76 77 100 101 102 103	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification
AAA	72 73 74 75 76 77 100 101 102 103 104	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type BD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification Grid type USH certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type BD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106 107	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification Grid type USH certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106 107 108 109	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type VDE certification Grid type DK certification Grid type BN certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification Grid type USH certification Grid type USL certification Grid type VDE4105 certification Grid type Korea certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106 107 108 109 110	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification Grid type USH certification Grid type VDE4105 certification Grid type VDE4105 certification Grid type Korea certification Grid type HongSun certification
AAA	72 73 74 75 76 77 100 101 102 103 104 105 106 107 108 109	Hybrid type NZLD certification Hybrid type Cyprus certification Hybrid type TOR certification Hybrid type EN50549 certification Hybrid type G98 certification Hybrid type IEEE1547 certification Grid type VDE certification Grid type VDE certification Grid type AS4777 certification Grid type DK certification Grid type RD1663 certification Grid type G83 certification Grid type Taiwan certification Grid type USH certification Grid type USH certification Grid type USL certification Grid type VDE4105 certification Grid type Korea certification

113	Grid type Indian certification
114	Grid type EN50438 certification
115	Grid type EN50438(Czech) certification
116	Grid type EN50438(DanMark) certification
117	Grid type EN50438(Finland) certification
118	Grid type EN50438(Ireland) certification
119	Grid type EN50438(Norway) certification
120	Grid type CEI-021 certification
121	Grid type G59 certification
122	Grid type NZLD certification
123	Grid typeCyprus certification
124	Grid typeTOR certification
125	Grid type EN50549 certification
126	Grid type G98 certification
127	Grid type IEEE1547 certification
150	Off Grid type
151	Off Grid 3 type

^P004MAR<cr>: Query machine adjustable range

Response:

^D123AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,III,JJJ,KKKK,LLLL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSSS,TTTT,UUU U,VVVV,WWWWW,XXXXX<CRC><cr>

Data	Description	Remark
AAAA	The upper limit of AC input highest voltage for feed power AC输入可并网最高电压可设值上限	A: 0~9, unit: 0.1V
	The lower limit of AC input highest voltage for feed power	
BBBB	AC输入可并网最高电压可设值下限	B: 0~9, unit: 0.1V
CCCC	The upper limit of AC input lowest voltage for feed power	C: 0~9, unit: 0.1V
	AC输入可并网最低电压可设值上限	C. 0~9, unit. 0.1 v
DDDD	The lower limit of AC input lowest voltage for feed power	D: 0~9, unit: 0.1V
	AC输入可并网最低电压可设值下限	5. 0 %, amt. 0.1 v
EEEE	The upper limit of AC input highest frequency for feed power	E: 0~9, unit: 0.01Hz
	AC输入可并网最高频率可设值上限	
FFFF	The lower limit of AC input highest frequency for feed power	F: 0~9, unit: 0.01Hz
	AC输入可并网最高频率可设值下限	<u> </u>
GGGG	The upper limit of AC input lowest frequency for feed power	G: 0~9, unit: 0.01Hz
	AC输入可并网最低频率可设值上限 The lower limit of AC input lowest frequency for feed power	
НННН	AC输入可并网最低频率可设值下限	H: 0~9, unit: 0.01Hz
	The upper limit of wait time for feed power	
III	并网等待时间可设值上限	I: 0~9, unit: Second
	The lower limit of wait time for feed power	
JJJ	并网等待时间可设值下限	I: 0~9, unit: Second
	The upper limit of solar maximum input voltage	
KKKKK	Solar输入最高电压可设值上限	K: 0~9, unit: 0.1V
	The lower limit of solar maximum input voltage	7 0 0 1 0 177
LLLL	Solar输入最高电压可设值下限	L: 0~9, unit: 0.1V
N (1) (1) (1)	The upper limit of solar minimum input voltage	M 0 0 '- 0 1 V
MMMM	Solar输入最低电压可设值上限	M: 0~9, unit: 0.1V
NNNN	The lower limit of solar minimum input voltage	N: 0~9, unit: 0.1V
INININ	Solar输入最低电压可设值下限	N: 0~9, unit: 0.1 v
0000	The upper limit of solar maximum MPPT voltage	O: 0~9, unit: 0.1V
	最高MPPT电压可设值上限	0. 0-9, unit. 0.1 v
PPPP	The lower limit of solar maximum MPPT voltage	P: 0~9, unit: 0.1V
	最高MPPT电压可设值下限	1.0 %, unit. 0.1 v
QQQQ	The upper limit of solar minimum MPPT voltage	Q: 0~9, unit: 0.1V
	最低MPPT电压可设值上限	Q. 0 3, saan 012 .
RRRR	The lower limit of solar minimum MPPT voltage	R: 0~9, unit: 0.1V
	最低MPPT电压可设值下限	,
SSSS	The upper limit of battery charged voltage	S: 0~9, unit: 0.1V
	充电电压可设值上限	
TTTT	The lower limit of battery charged voltage	T: 0~9, unit: 0.1V
	<u> 充电电压可设值下限</u> The upper limit of battery Max. charged current	
UUUU	最大充电电流可设值上限	U: 0~9, unit: 0.1A
	取入尤电电视可及恒工限 The lower limit of battery Max. charged current	
VVVV	最大充电电流可设值下限	V: 0~9, unit: 0.1A
	取入元电电弧可及恒下限 The upper limit of maximum feeding power	
WWWWW	最大并网功率可设值上限	W: 0~9, unit: W
	The lower limit of maximum feeding power	
XXXXX	最大并网功率可设值下限	X: 0~9, unit: W
	[M/N/III Y/A干 Y 处压 I IN	L

^P004CFS<cr>: Query current fault status

Response: ^D008AA,BB<CRC><cr>

	Response: Booon in the Cite of		
	Data	Description	Remark
AA	ΑΔ	The latest fault code	A: 0~9
	7 17 1	最新故障代码	11. 0

BB	The latest fault code ID stored in flash 在Flash最新存储故障代码的ID	BB: 0~8
Fault code list		
01	BUS exceed the upper limit BUS高压	
02	BUS dropp to the lower limit BUS低压	
03	BUS soft start circuit timeout BUS软启动超时	
04	Inverter voltage soft start timeout 逆变软启动超时	
05	Inverter current exceed the upper limit 逆变过流	
06	Temperature over 过温	
07	Inverter relay work abnormal 继电器故障	
08	Current sample abnormal when inverter doesn't work 机器并工作时,电流采样异常	
09	Solar input voltage exceed upper limit Solar输入电压过高	
10	SPS power voltage abnormal 辅助电源电压异常	
11	Solar input current exceed upper limit Solar输入电流过高	
12	Leakage current exceed permit range 漏电流超过允许范围	
13	Solar insulation resistance too low Solar对地绝缘阻抗过低	
14	Inverter DC current exceed permit range when feed power 并网时,逆变电流直流分量超过允许范围	
15	The AC input voltage or frequency has been detected different between master CPU and slave CPU 主从CPU对AC输入电压或频率侦测值相差较大	
16	Leakage current detect circuit abnormal when inverter doesn't work 机器未工作时,漏电流检测电路异常	
17	Comminication loss between master CPU and slave CPU 主从CPU通信丢失	
18	Comminicate data discordant between master CPU and slave CPU 主从CPU通信协议不匹配	
19	AC input ground wire loss 地线未接	
22	Battery voltage exceed upper limit 电池电压过高	
23	Over load 过载	
24	S phase Inverter current exceed the upper limit S相逆变过流	
25	T phase Inverter current exceed the upper limit T相逆变过流	
26	AC output short 输出短接	
27	Fan lock 风扇堵转	
29	inverter Current sample abnormal when inverter doesn't work 机器并工作时,逆变电流采样异常	(WP 30K)
30	S phase Inverter DC current exceed permit range when feed power 并网时,S相逆变电流直流分量超过允许范围 T phase Inverter DC current exceed permit range when feed power	(WP 30K)
31	T phase Inverter DC current exceed permit range when feed power 并网时,T相逆变电流直流分量超过允许范围 Battery DC-DC current over	(WP 30K)
32	电池DC-DC current over 电池DC-DC电流过高 AC output voltage too low	
33	新出电压过低 AC output voltage too low AC output voltage too high	
34	输出电压过高 Control board wiring error	
35	控制板接线异常 AC circuit voltage sample error	
36	AC electit voltage sample error AC电路电压采样差异较大 AC N wire current over	
37	市电N线过流 S phase AC output voltage too low	
39	S相输出电压过低 T phase AC output voltage too low	
40	T相输出电压过低 S phase AC output voltage too high	
41	S相输出电压过高	

	Talana AC autout malta an tan high	
42	T phase AC output voltage too high	
	T相输出电压过高	
50	Relay version error	
	继电器版本错误	
51	外接电池过温	
52	Sloar1过温	
53	Sloar2过温	
54	Nbat过温	
55	R相逆变过温	
56	S相逆变过温	
57	T相逆变过温	
58	PDCDC 过温	
(0)	Negative power detected	
60	负功保护 	
<i>C</i> 1	Driver signal lost from relay board	
61	Relay board的驱动信号丢失	
(2)	Communication lost between main board and relay board	
62	主板与relay board通讯丢失	
(2)	Versions are different between main board and relay board	
63	主板与relay board版本不匹配	
7.1	parellel version is incompatible	
71	并联版本不兼容	
	O/P current detection abnormal	
72	输出电流侦测异常	
	CAN lost	
80	CAN丢失	
0.4	HOST lost	
81	主机线丢失	
	SYN lost	
82	同步信号丢失	
0.0	BUS Balances overcurrent	
88	BUS平衡过流	
	200 1 104721111	

^P006HFSnn<cr>: Query history fault parameter
Response:
^D133nn,AA,BBCCDDEEFFGG,HH,IIIII,JJJJJ,KKKKK,LLLLL,MMMM,NNNN,OOOO,PPPP,QQQQ,±RRRR,SSSS,TTTT,UUUU,VVVV,WWW

Data	Description	Remark
nn	The fault code ID stored in flash 在Flash最新存储故障代码的ID	nn: 0~8
AA	Fault code 故障代码	
BBCCDD	Time	Estimate VV MM DD HILMM CC
EEFFGG	故障时间	Format: YY-MM-DD, HH:MM:SS
нн	Work mode 工作模式	
ШП	Solar input voltage 1 Solar1输入电压	I: 0~9, unit: 0.1V
JJJJJ	Solar input voltage 2 Solar2输入电压	J: 0~9, unit: 0.1V
KKKKK	Solar input power 1 Solar1输入功率	K: 0~9, unit: W
LLLLL	Solar input power 2 Solar2输入功率	L: 0~9, unit: W
MMMM	AC input voltage R R相AC输入电压	M: 0~9, unit: 0.1V
NNNN	AC input voltage S S相AC输入电压	N: 0~9, unit: 0.1V
0000	AC input voltage T T相AC输入电压	O: 0~9, unit: 0.1V
PPPP	AC input frequency AC输入频率	P: 0~9, unit: 0.01Hz
QQQQ	Battery voltage 电池电压	Q: 0~9, unit: 0.1V
±RRRR	Battery current 电池电流	R: 0~9, unit: 0.1V, +: charge, -: discharge
SSSS	AC output voltage R R相AC输出电压	S: 0~9, unit: 0.1V
TTTT	AC output voltage S S相AC输出电压	T: 0~9, unit: 0.1V
UUUU	AC output voltage T T相AC输出电压	U: 0~9, unit: 0.1V
VVVV	AC output frequency AC输出频率	V: 0~9, unit: 0.01Hz
wwwww	AC output apperent power R R相AC输出视在功率	W: 0~9, unit: VA
XXXXX	AC output apperent power S S相AC输出视在功率	X: 0~9, unit: VA
YYYYY	AC output apperent power T T相AC输出视在功率	Y: 0~9, unit: VA

ZZZ	AC output percentage	7. 0. 0 unit. %
	AC输出功率百分比	Z: 0~9, unit: %
aaa	Inner temperature 内部环温	a: 0~9, unit: degree centigrade
bbb	Component Max. temperature	b: 0~9, unit: degree centigrade
000	机器内部器件最高温度	o. o 2, unit. degree configuate
ccc	External battery temperature 外部电池温度	c: 0~9, unit: degree centigrade
	t时Inv current实时值的读取方式	
	r>: Query energy control status	
Response: ^D0	21AA,B,C,D,E,F,G,H,I <crc><cr> Description</cr></crc>	Remark
Butu	Bescription	00: Battery-Load-Grid
AA	Solar energy distribution of priority Solar能量分配优先级	01: Load-Battery-Grid 02: Load-Grid-Battery
	Enable/disable solar -charge battery	03:
В	充电使能	1: enable, 0: disable
С	Enable/disable AC charge battery AC充电使能	1: enable, 0: disable
D	Enable/disable feed power to utility 并网使能	1: enable, 0: disable
Е	Enable/disable battery discharge to loads when solar input normal 当Solar正常的时候,电池放电带载使能	1: enable, 0: disable
F	Enable/disable battery discharge to loads when solar input loss 当Solar异常的时候,电池放电带载使能	1: enable, 0: disable
G	Enable/disable battery discharge to feed power to utility when solar input normal 当Solar正常的时候,电池放电并网使能	1: enable, 0: disable
Н	Enable/disable battery discharge to feed power to utility when solar input loss 当Solar异常的时候,电池放电并网使能	1: enable, 0: disable
I	Enable/disable Q(U) derating funcation	1: enable, 0: disable
^P006GLTHV<	<cr>: Query AC input long-lime highest average voltage</cr>	
	07AAAA <crc><cr></cr></crc>	
Data	Description	Remark
AAAA	AC input long-lime highest average voltage	A: 0~9, unit: 0.1V
	AC输入平均值长时间过压点	71. 0 ->, unit. 0.1 v
^D004EET		71. 0 -9, unit. 0.1 v
	AC输入平均值长时间过压点	11. 0 - 5, unit. 0.1 v
Response: ^D0 Data	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description</cr></crc>	Remark
Response: ^D0 Data YYYY	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year</cr></crc>	Remark Y: 0~9
Response: ^D0 Data	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description</cr></crc>	Remark
Response: ^D0 Data YYYY MM	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month</cr></crc>	Remark Y: 0~9 M: 0~9
Response: ^D0 Data YYYY MM DD HH	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour</cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>:</cr>	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day</cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data</cr>	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description</cr></crc></cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0</cr>	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr></cr></crc></cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data AAA</cr>	: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description</cr></crc></cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data AAA ^P005ACCT<c< td=""><td>P: Query first generated energy saved time 13YYYYMMDDHH<crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time Pr>: Query AC charge time bucket</cr></crc></cr></crc></td><td>Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second</td></c<></cr>	P: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time Pr>: Query AC charge time bucket</cr></crc></cr></crc>	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data AAA ^P005ACCT<c ^d0="" data<="" response:="" td=""><td>E: Query first generated energy saved time 13YYYYMMDDHH 13YYYYMMDDHH CRC><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time The Proof of the Sucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD<crc><cr> Description</cr></crc></cr></crc></cr></td><td> Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second Remark Remar</td></c></cr>	E: Query first generated energy saved time 13YYYYMMDDHH 13YYYYMMDDHH CRC> <cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time The Proof of the Sucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD<crc><cr> Description</cr></crc></cr></crc></cr>	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second Remark Remar
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data AAA ^P005ACCT<c ^d0="" aaaa<="" data="" response:="" td=""><td>E: Query first generated energy saved time 13YYYYMMDDHH Description Year Month Day Hour Query wait time for feed power 06AAA Description Wait time The Proof of the Sucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD Description Start time for enable AC charger working</td><td> Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second Remark AAAA: HH:MM(hour: minute)</td></c></cr>	E: Query first generated energy saved time 13YYYYMMDDHH Description Year Month Day Hour Query wait time for feed power 06AAA Description Wait time The Proof of the Sucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD Description Start time for enable AC charger working	Remark Y: 0~9 M: 0~9 D: 0~9 H: 0~9 Remark A: 0~9, unit: second Remark AAAA: HH:MM(hour: minute)
Response: ^D0 Data YYYY MM DD HH ^P003FT <cr>: Response: ^D0 Data AAA ^P005ACCT<c ^d0="" aaaa="" bbbb<="" data="" response:="" td=""><td>E: Query first generated energy saved time 13YYYYMMDDHH<crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time Tr>: Query AC charge time bucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working</cr></crc></cr></crc></cr></crc></td><td> Remark </td></c></cr>	E: Query first generated energy saved time 13YYYYMMDDHH <crc><cr> Description Year Month Day Hour Query wait time for feed power 06AAA<crc><cr> Description Wait time Tr>: Query AC charge time bucket 查询允许AC充电时间段 22AAAA,BBBB,CCCC,DDDD<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working</cr></crc></cr></crc></cr></crc>	Remark
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BBBB	Feeding grid calibration power	n: 0~9, unit: 1W
C	R phase Feeding grid derection	0: -, 1: +
DDDD	R pahse Feeding grid calibration power	n: 0~9, unit: 1W
Е	S pahse Feeding grid derection	0: -, 1: +
FFFF	S pahse Feeding grid calibration power	n: 0~9, unit: 1W
G	T phase Feeding grid derection	0: -, 1: +
НННН	T phase Feeding grid calibration power	n: 0~9, unit: 1W
	T phase I coming gira current perior	n. 0), unit. 1 11
^P006FPPF <c< td=""><td>er>: Query feed in power factor</td><td></td></c<>	er>: Query feed in power factor	
	查询并网功率因素	
Response: ^D	006nnn <crc><cr></cr></crc>	
Data	Description	Remark
222	Food in power feeter	n: 0~9, 090~100 meas +0.90~+1.00,
nnn	Feed in power factor	190~199 means -0.90~-0.99
^P005AAPF<	cr>: Query auto-adjust PF with power information (Only valid for VI 查询自动根据功率调整PF参数(仅用于VDE4105)	DE4105)
Response: ^D(012a,bbb,ccc <crc><cr></cr></crc>	
Data	Description	Remark
a	Enable/Disable function	0: disable 1: enable
bbb	Start power percentage of auto-adjusting	b: 0~9, unit: %, range: 010~090
ccc	Minmum PF value when power percentage reach 100%	c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99
	Transmitter value when power percentage reach 10070	e. 6 9, unit. 0.01, runge. 196 199, means 0.96 0.99
^D005INGS<	er>: Query internal general status	
	or>: Query internal general status 052AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ<	CRC> <cr></cr>
Data	Description	Remark
AAAA	R Inv current	A: 0~9, unit: 0.1A
BBBB	S Inv current	B: 0~9, unit: 0.1A
CCCC	T Inv current	C: 0~9, unit: 0.1A
DDDD	R AC output current	D: 0~9, unit: 0.1V
EEEE	S AC output current	E: 0~9, unit: 0.1V
FFFF	T AC output current	F: 0~9, unit: 0.1V
GGGG	Master P BUS voltage	G: 0~9, unit: 0.1V
НННН	Master N BUS voltage	H: 0~9, unit: 0.1V
IIII	Slave P BUS voltage	I: 0~9, unit: 0.1V
JJJJ	Slave N BUS voltage	J: 0~9, unit: 0.1V
3333	Slave IV BOS voltage	5. 0~9, unit. 0.1 v
	cr>: Query feed-in grid reactive power 查询并网无功功率设置 008±nnnn <crc><cr></cr></crc>	
Data		Remark
	Describuon	
	Description feed-in reactive power	
nnnn	feed-in reactive power	n: 0~9, unit: 1Var, range: -5000~5000
nnnn ^P005MAR1< Response: ^D114AAAA,	<u> </u>	n: 0~9, unit: 1Var, range: -5000~5000
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX	feed-in reactive power ccr>: Query machine adjustable range1 ,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLI XX <crc><cr></cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V,
nnnn ^P005MAR1< Response: ^D114AAAA,	feed-in reactive power ccr>: Query machine adjustable range1 ,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000
nnnn ^P005MAR1 Response: ^D114AAAA, WWWW,XXX	feed-in reactive power ccr>: Query machine adjustable range1 ,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA	feed-in reactive power cr>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最高恢复电压可设值下限</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB	feed-in reactive power CCT>: Query machine adjustable range1 ABBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLLXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD	feed-in reactive power Cer>: Query machine adjustable range1 ABBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值下限 The Second order upper limit of AC input highest voltage for feed</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250 D: 0~9, unit: 0.1V 1840
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB	feed-in reactive power Ccr>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD	feed-in reactive power Ccr>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The Second order upper limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250 D: 0~9, unit: 0.1V 1840
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD	feed-in reactive power Cer>: Query machine adjustable range1 ABBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The Second order upper limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值下限 The Second order upper limit of AC input lowest voltage for feed power</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250 D: 0~9, unit: 0.1V 1840 E: 0~9, unit: 0.1V 2900
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD EEEE FFFF	feed-in reactive power Cer>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The Second order upper limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order upper limit of AC input lowest voltage for feed power AC输入可并网最高二阶电压可设值下限 The Second order upper limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order lower limit of AC input lowest voltage for feed power</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250 D: 0~9, unit: 0.1V 1840 E: 0~9, unit: 0.1V 2900 F: 0~9, unit: 0.1V 2622
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD EEEE FFFF GGGG HHHHH	「feed-in reactive power Ger>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The Second order upper limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order upper limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order lower limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order lower limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order upper limit of AC input lowest voltage protection time</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 2250 D: 0~9, unit: 0.1V 1840 E: 0~9, unit: 0.1V 2622 G: 0~9, unit: 0.1V 1840 H: 0~9, unit: 0.1V 0460
nnnn ^P005MAR1< Response: ^D114AAAA, WWWW,XXX Data AAAA BBBB CCCC DDDD EEEEE FFFF	feed-in reactive power Cer>: Query machine adjustable range1 BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLIXX <crc><cr> Description The upper limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值上限 The lower limit of AC input highest recover voltage for feed power AC输入可并网最高恢复电压可设值下限 The upper limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The lower limit of AC input lowest recover voltage for feed power AC输入可并网最低恢复电压可设值上限 The Second order upper limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order lower limit of AC input highest voltage for feed power AC输入可并网最高二阶电压可设值上限 The Second order upper limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值下限 The Second order lower limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order lower limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值上限 The Second order lower limit of AC input lowest voltage for feed power AC输入可并网最低二阶电压可设值下限 The Second order upper limit of AC input highest voltage protection</cr></crc>	n: 0~9, unit: 1Var, range: -5000~5000 LL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSS,TTT,U,V, Remark A: 0~9, unit: 0.1V 2622 B: 0~9, unit: 0.1V 2350 C: 0~9, unit: 0.1V 1840 E: 0~9, unit: 0.1V 2900 F: 0~9, unit: 0.1V 2622 G: 0~9, unit: 0.1V 1840 H: 0~9, unit: 0.1V 0460 I: 0~9, unit: 0.05S 0250

	The Second order lower limit of AC input lowest voltage protection	
LLLL	time	L: 0~9, unit:0.05S 0003
	AC输入最低二阶电压保护时间可设值下限	
MMMM	The upper limit of AC input highest voltage protection time	M: 0~9, unit: 0.1S 5000
141141141141	AC输入最高电压保护时间可设值上限	Wi. 0 -9, uint. 0.15 5000
NNNN	The lower limit of AC input highest voltage protection time	N: 0~9, unit: 0.1S 0003
	AC输入最高电压保护时间可设值下限	11.00, 4110.015.005
0000	The upper limit of AC input lowest voltage protection time	O: 0~9, unit: 0.1S 5000
	AC输入最低电压保护时间可设值上限	5. 6. 7, min 5.12 5.00
PPPP	The lower limit of AC input lowest voltage protection time	P: 0~9, unit: 0.1S 0003
	AC输入最低电压保护时间可设值下限	21.0 3, 42.00.002
QQQQ	The upper limit of AC input frequency derate point	Q: 0~9, unit: 0.01Hz 5200
****	AC输入频率降额可设值上限	2, 0), mini 0101120200
RRRR	The lower limit of AC input frequency derate point	R: 0~9, unit: 0.01Hz 5010
	AC输入频率降额可设值下限	
SSS	The upper limit of AC input frequency derate gradient	S: 0~9, unit: %/Hz 100
	AC输入频率降额斜率可设值上限	,
TTT	The lower limit of AC input frequency derate gradient	T: 0~9, unit: %/Hz 010
	AC输入频率降额斜率可设值上限	, , , , , , , , , , , , , , , , , , ,
U	The upper limit of AC input frequency delay trigger time	U: 0~2, unit: 1S 2
	AC输入频率延时触发可设值上限	,
V	The lower limit of AC input frequency delay trigger time	V: 0~2, unit: 1S 0
	AC输入频率延时触发可设值下限	
WWWW	The upper limit of AC input voltage 10 Min mean protection	W: 0~9, unit: 0.1V 2760
	AC输入电压10分钟保护可设值上限	,
XXXX	The lower limit of AC input voltage 10 Min mean protection	X: 0~9, unit: 0.1V 2300
^D00514AD2 <	AC输入电压10分钟保护可设值下限	

^P005MAR2<cr>: Query machine adjustable range2

Response:

^D132AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLLL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSSS,TTTT,UU UU,VVVV,WWWW,XXXX,YYYYY,ZZZZ<CRC><cr>

Data	Description	Remark
	The upper limit of AC input highest recover frequency for feed	
0AAAA	power	A: 0~9, unit: 0.01Hz 5200
	AC输入可并网最高恢复频率可设值上限	
	The lower limit of AC input highest recover frequency for feed	
1BBBB	power	B: 0~9, unit: 0.01Hz 5010
	AC输入可并网最高恢复频率可设值下限	
• = = = =	The upper limit of AC input lowest recover frequency for feed	
2CCCC	power	C: 0~9, unit: 0.01Hz 4990
	AC输入可并网最低恢复频率可设值上限	
2DDDD	The lower limit of AC input lowest recover frequency for feed	D 0 0'+ 0 01H- 4750
3DDDD	power	D: 0~9, unit: 0.01Hz 4750
	AC输入可并网最低恢复频率可设值下限	
4EEEE	The Second order upper limit of AC input highest frequencyfor feed	E: 0~9, unit: 0.01Hz 5500
	power	,
CERT	The Second order lower limit of AC input highest frequencyfor feed	F 0 0 ' 0 01H 5200
5FFFF	power	F: 0~9, unit: 0.01Hz 5200
	AC输入可并网最高二阶频率可设值下限	
60000	The Second order upper limit of AC input lowest frequency for feed	C. 0. 0
6GGGG	power	G: 0~9, unit: 0.01Hz 4750
	AC输入可并网最低二阶频率可设值上限 The Second order lower limit of AC input lowest frequency for feed	
7НННН	1 1	H: 0~9, unit: 0.01Hz 4500
/11111111	power AC输入可并网最低二阶频率可设值下限	11. 0~9, unit. 0.01112 4500
	The Second order upper limit of ACinput highest frequency	
8IIII	protection time	I: 0~9, unit: 0.05S 0250
	AC输入最高二阶电压保护时间可设值上限	1. 0 9, unit. 0.055 0250
	The Second order lower limit of ACinput highest frequency	
9JJJJ	protection time	I: 0~9, unit: 0.05S 0003
	AC输入最高二阶电压保护时间可设值下限	
	The Second order upper limit of ACinput lowest frequency	
10KKKK	protection time	K: 0~9, unit: 0.05S 0250
	AC输入最低二阶电压保护时间可设值上限	
	The Second order lower limit of ACinput lowest frequency	
11LLLL	protection time	L: 0~9, unit:0.05S 0003
	AC输入最低二阶电压保护时间可设值下限	
12MMMM	The upper limit of AC input highest frequency protection time	M: 0~9, unit: 0.1S 5000
12111111111111	AC输入最高电压保护时间可设值上限	W. 6 9, unit. 0.15 5000
13NNNN	The lower limit of AC input highest frequency protection time	N: 0~9, unit: 0.1S 0003
151111111	AC输入最高电压保护时间可设值下限	1 o 7, ann. 0.15 0005
140000	The upper limit of AC input lowest frequency protection time	O: 0~9, unit: 0.1S 5000
	AC输入最低电压保护时间可设值上限	,
15PPPP	The lower limit of AC input lowest frequency protection time	P: 0~9, unit: 0.1S 0003
	AC输入最低电压保护时间可设值下限	, , , , , , , , , , , , , , , , , , ,
16QQQQ	The upper limit of AC input highest Max reactive power	Q: 0~9, unit: 1Var 5000
	AC输入最高无功可设值上限	
17RRRR	The AC input lowest Max reactive power	R: 0~9, unit: 1Var 3000
	AC输入最高无功可设值下限	

	<u> </u>	
18SSSS	The upper limit of AC input volt1 derate point AC输入最高电压1降额点可设值上限	S: 0~9, unit: 0.1V 2300
19TTTT	The lower limit of AC input volt1 derate point	T: 0~9, unit: 0.1V 2000
	AC输入最高电压1降额点可设值下限 The upper limit of AC input volt2 derate point	
20UUUU	AC输入最高电压2降额点可设值上限	U: 0~9, unit: 0.1V 2300
21VVVV	The lower limit of AC input volt2 derate point AC输入最高电压2降额点可设值下限	V: 0~9, unit: 0.1V 2000
22WWWW	The upper limit of AC input volt3 derate point AC输入最高电压3降额点可设值上限	W: 0~9, unit: 0.1V 2622
23XXXX	The lower limit of AC input volt3 derate point AC输入最高电压3降额点可设值下限	X: 0~9, unit: 0.1V 2300
24YYYY	The upper limit of AC input volt4 derate point AC输入最高电压4降额点可设值上限	Y: 0~9, unit: 0.1V 2622
25ZZZZ	The lower limit of AC input volt4 derate point AC输入最高电压4降额点可设值下限	Z: 0~9, unit: 0.1V 2300
^P005MAR3<	cr>: Query machine adjustable range3	
Response: ^D4	3AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH <crc><c1< td=""><td>÷></td></c1<></crc>	÷>
Data	Description	Remark
AAAA0	AC input highest second order voltage for feed power AC输入可并网二阶最高电压	A: 0~9, unit: 0.1V 2697
BBBB1	AC input lowest second order voltage for feed power AC输入可并网二阶最低电压	B: 0~9, unit: 0.1V 1840
CCCC2	AC input highest second order frequency for feed power AC输入可并网二阶最高频率	C: 0~9, unit: 0.1V 5200
DDDD3	AC input lowest second order frequency for feed power AC输入可并网二阶最低频率	D: 0~9, unit: 0.1V 4700
EEEE4	AC input highest back voltage for feed power AC输入可并网最高恢复电压	E: 0~9, unit: 0.01Hz 2620
FFFF5	AC input lowest back voltage for feed power AC输入可并网最低恢复电压	F: 0~9, unit: 0.01Hz 1842
GGGG6	AC input highest back frequency for feed power AC输入可并网最高恢复频率	G: 0~9, unit: 0.01Hz 5198
НННН7	AC input lowest back frequency for feed power AC输入可并网最低恢复频率	H: 0~9, unit: 0.01Hz 4752
^P003VP <cr>0</cr>	Query grid volt protect查询市电电压保护(查询二阶过压点和一阶	二阶过欠压保护时间)
	32aaaa,bbbb,cccc,dddd,eeee,ffff <crc><cr></cr></crc>	
Data	Description	
aaaa	Second order overvoltage point	a: 0~9, unit: 0.1V
bbbb	Second order underoltage point Second order overvoltage protection time	b: 0~9, unit: 0.1V c: 0~9, unit: 0.02S
dddd	Second order undervoltage protection time Second order undervoltage protection time	d: 0~9, unit: 0.02S
eeee	Frist order overvoltage protection time	e: 0~9, unit: 0.02S
ffff	Frist order undervoltage protection time	f: 0~9, unit: 0.02S
	Duery grid frequency protect查询市电频率保护(查询二阶过频点和	一阶二阶过欠频保护时间)
	32aaaa,bbbb,cccc,dddd,eeee,ffff <crc><cr></cr></crc>	
Data	Description	0.00 1: 0.0111
aaaa bbbb	Second order overfrequency point	a: 0~9, unit: 0.01Hz
cccc	Second order underfrequency point Second order overvfrequency protection time	b: 0~9, unit: 0.01Hz c: 0~9, unit: 0.02S
dddd	Second order underfrequency protection time	d: 0~9, unit: 0.02S
eeee	Frist order overfrequency protection time	e: 0~9, unit: 0.02S
ffff	Frist order underfrequency protection time	f: 0~9, unit: 0.02S
	>Query Over frequency drop rated power过频降额	
	13aaaa,bb,c <crc><cr></cr></crc>	
Data	Description Description	a. 0. 0. mait. 0.01Ha
aaaa bbbb	Drop rated power point Drop rated power slope	a: 0~9, unit: 0.01Hz b: 0-9,unit 1%/Hz
c	Trigger delay time	c: 0-2,unit 18
•	>Query Voltage and reactive power response 电压无功响应	
	27±aaaa,±bbbb,±cccc,±dddd,±eeee,ffff,gggg,hhhh,iiii,jjjj <crc><cr></cr></crc>	
Data	Description	
±aaaa	Maximum reactive power response	a: 0~9, unit: 1Var
±bbbb	derating voltage point1	b: 0-9,unit 0.1V
±cccc ±dddd	derating voltage point2 derating voltage point3	c: 0-9,unit 0.1V d: 0-9,unit 0.1V
±eeee	derating voltage point3 derating voltage point4	e: 0-9,unit 0.1V
ffff	Reduce rated power point1	f: 0-9,unit 0.1V
gggg	Reduce rated power point2	g: 0-9,unit 0.1V
hhhh	Reduce rated power point3	h: 0-9,unit 0.1V
iiii	Reduce rated power point4	i: 0-9,unit 0.1V
jjjj	QUVolRef	j: 0-9,unit 0.1V
^P005RTFO<	r>: Query Battery EQ Information	
	查询电池EQ信息	
Response: ^D0 Data	27a,bbbb,ccc,ddd,eee,fff,g <crc><cr> Description</cr></crc>	Remark
	EQ Function Enable or Disable	a:0or1 0: Disable , 1: Enable
a		

bbbb	EQ Voltage	b: 0~9,unit: 0.1V The set range:480~600
ccc	EQ Time	c: 0~9, unit: 1Min The set range:5~900Min (Increment of ea
		click is 5min.) d: 0~9, unit: 1Min The set range:5~900Min (Increment of ea
ddd	EQ Timeout	click is 5min.)
eee	Equalization interval	d: 0~9, unit: 1Day The set range:0~90Day(Increment of each click is 1 day)
fff	Reserve	0
g	Equalization states	f:0or1 0: EQ off, 1: EQ on
^P004CVT<	Ccr>: Query CV Time	
	查询恒压充电时长	
	D007aaaa <crc><cr></cr></crc>	
Data aaaa	Description CV time	Remark a: 0~9,unit: 1min
aaaa	C v time	a. 0°2,unit. 11mii
	Ccr>: Query AC output coupled frequency modulation gradient 查询AC输出耦合调频曲线	
Response: ^. Data	D006aaa <crc><cr> Description</cr></crc>	Remark
aaa	AC output coupled frequency modulation gradient	aaaa: 5-100,unit: 1%
-		
^\$005L ON-	Set comn Set enable/disable machine supply power to the loads	nands
SOUSLONE	M器带载使能 机器带载使能	
	1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description Enable/disable	0: disable, 1: enable
<u>1</u> `1	Accept command	o. disable, 1. chable
^0	Refuse command	
	cr>: Set enable/disable status 1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
m	enable/disable	E: enable, D: disable
	A	Mute buzzer beep
	В	Mute buzzer beep in standby mode
	C	Mute buzzer beep only on battery discharged status
	D	Generator as AC input
	E F	Wide AC input range N/G relay close in battery mode
	G	De-rating power for Grid voltage
	Н	De-rating power for Grid frequency
	I	BMS battery connect
	J	Low frequency De-rating power
n	K	LVRT(Low voltage ride through)
	L	reserved
	M	HVRT(High voltage ride through)
	N	Charge power limit(Only for VDE 4105)
	0	External CT RLY
	P	Ac output coupling
	Q R	Low frequency derating Over frequency derating
	S	Allow opening of second output
	T	GFCI Chk
	U	RAPID
^1	Accept command	
^0	Refuse command	
S016DATs	rymmddhhffss <cr>: Set date time</cr>	
	1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
УУ	Year	y: 0~9
nm Id	Month Day	m: 0~9 d: 0~9
10 1h	Hour	h: 0~9
ff	Minute	f: 0~9
SS	Second	s: 0~9
^1 ^0	Accept command	
U	Refuse command	
S009GOH	Vnnnn <cr>: Set AC input highest voltage for feeding power</cr>	
3311	设置最高并网电压	
	1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	

Data	Description	Remark
nnnn	AC input highest voltage	n: 0~9, unit: 0.1V
		ш. о Э, ишь ол v
^1	Accept command	
^0	Refuse command	
^S009GOLVnr	nn <cr>: Set AC input lowest voltage for feeding power</cr>	
	设置最低并网电压	
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
	AC input lowest voltage	n: 0~9, unit: 0.1V
nnnn		11. 0~9, unit. 0.1 v
^1	Accept command	
^0	Refuse command	
^S009GOHFnn	nn <cr>: Set AC input highest frequency for feeding power</cr>	
	设置最高并网频率	
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
		n: 0~9, unit: 0.01Hz
nnnn	AC input highest frequency	11. 0~9, unit: 0.01HZ
^1	Accept command	
^0	Refuse command	
^S009GOLFnn	nn <cr>: Set AC input lowest frequency for feeding power</cr>	
	设置最低并网频率	
Response: A1/0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
•		Dayragle
Data	Description	Remark
nnnn	AC input lowest frequency	n: 0~9, unit: 0.01Hz
^1	Accept command	
^0	Refuse command	
^S011OPMPnn	nnnn <cr>: Set output max power</cr>	
	CRC>cr> or ^0 <crc>cr></crc>	
_		Domonto
Data	Description	Remark
nnnnn	output max power	n: 0~9, unit: W
<u>^1</u>	Accept command	
$\triangle 0$	Refuse command	
^S011GPMPnn	nnnn <cr>: Set max power of feeding grid 设置最大并网功率</cr>	
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnnn	max power	n: 0~9, unit: W
^1	Accept command	
^0	Refuse command	
^S010SIHVnnr	nnn <cr>: Set Solar input highest voltage</cr>	
	设置最高Solar输入电压	
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnnn	Solar input highest voltage	n: 0~9, unit: 0.1V
^1	Accept command	
^0	Refuse command	
U	ICTUSE COMMINANCE	
^S009SILVnnn	n <cr>: Set Solar input lowest voltage</cr>	
	设置最低Solar输入电压	
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnn	Solar input lowest voltage	n: 0~9, unit: 0.1V
^1		n. 0 2, wiii. 0.1 Y
	Accept command	
^0	Refuse command	
^S011MPPTHY	Vnnnn <cr>: Set Solar input highest MPPT voltage</cr>	
	设置最高MPPT电压	
Resnance: A1/1	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
•		Remark
Data	Description Selection MRPT college	
nnnn		n: 0~9, unit: 0.1V
^1	Accept command	
^0	Refuse command	
^S011MPPTLV	/nnnn <cr>: Set Solar input lowest MPPT voltage</cr>	
SOLIMITIE	で	
_		
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnn	Solar input lowest MPPT voltage	n: 0~9, unit: 0.1V
^1	Accept command	,
^0	Refuse command	
0	ICIUSC COMMISSIO	L
A G C C T = 1	a Lab 1	
^S006LSTnn<	er>: Set LCD sleep wait time	
	设置LCD休眠等待时间	

Response: ^	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
nn	LCD sleep wait time	nn: 00, 01, 02, 10, 20 for selection, unit : 30second.
	•	00 means LCD always light
<u>`1</u>	Accept command	
<u>'U</u>	Refuse command	
^S010MCH	IGCnnnn <cr>: Set battery maximum charge current 设置电池最大充电电流</cr>	
	1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	·
Data	Description	Remark
nnnn	Battery maximum charge current	n: 0~9, unit: 0.1A
^1 ^0	Accept command Refuse command	
0	Refuse command	
^S015MCH	GVmmmm,nnnn <cr>: Set battery maximum charge voltage 设置电池最大充电电压</cr>	
Response: ^	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
mmmm	Battery constant charge voltage(C.V.)	m: 0~9, unit: 0.1V
nnnn	Battery float charge voltage	n: 0~9, unit: 0.1V
^1	Accept command	
^0	Refuse command	
^S010GLTI	HVnnnn <cr>: Set AC input long-time highest average voltag 设置AC输入长时间过压点</cr>	ge
	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
nnnn	AC input long-time highest average voltage	n: 0~9, unit: 0.1V
^1	Accept command	
^0	Refuse command	
^S025BAT1	DVaaaa,bbbb,cccc,dddd <cr>: Set battery discharge voltage 设置电池放电相关电压点</cr>	
	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Battery under voltage	n: 0~9, unit: 0.1V
bbbb	Battery under back voltage	n: 0~9, unit: 0.1V
dddd	Battery weak voltage in hybrid mode Battery weak back voltage in hybrid mode	n: 0~9, unit: 0.1V n: 0~9, unit: 0.1V
^1	Accept command	n: 0~9, unit: 0.1 v
^0	Refuse command	
^S025BATI	DV2aaaa,bbbb,cccc,dddd <cr>: Set battery discharge voltage 设置第二路AC输出的电池截止</cr>	
	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Battery under voltage for 2rd output	n: 0~9, unit: 0.1V
bbbb	Battery under-back voltage for 2rd output	n: 0~9, unit: 0.1V
dddd	reserved	n: 0~9, unit: 0.1V n: 0~9, unit: 0.1V
^1	Accept command	11. 0~9, unit. 0.1 v
^0	Refuse command	
	refuse command	<u> </u>
	n <cr>: Set Solar energy distribution of priority 设置Solar能量分配优先级</cr>	
	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	-
Data	Description	Remark
nn	Solar energy distribution of priority	00: Battery-Load-Grid 01: Load-Battery-Grid 02: Load-Grid-Battery
^1	Accept command	
^0	Refuse command	
	n <cr>: Set energy distribution 设置能量分配</cr>	
	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	-
Data	Description	Remark
	A	Enable/disable solar charge battery
	B	Enable/disable AC charge battery
	С	Enable/disable feed power to utility
		Enable/disable battery discharge to loads when solar input
	D	
	D	normal
m	D E	normal
m		· · · · ·

	Н	Enable/disable Q(U) derating funcation
	Enable/disable	1: enable, 0: disable
-	Accept command	
)	Refuse command	
	naaa,bbb,cccc <cr>: Set battery charger application in floating charging 设置浮充状态下电池充电器相关应用 1<crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr>	
ita	Description Description	Remark
aa	Battery stop charger current level in floating charging 浮充状态下电池停止充电的电流点	a: 0~9, unit: 0.1A, range: 0~500
)	Keep charged time of battery catch stop charger current level 电池达到停充电电流点后关闭充电器的等待时间	b: 0~9, unit: Minute, range: 0~999
ec	Battery voltage of recover to charge when battery stop charger in floating charging 浮充状态下关闭充电器后电池重复充电的电压点	c: 0~9, unit: 0.1V, range: 400~600
	Accept command Refuse command	
	retuse commune	
	nn <cr>: Set machine model</cr>	
•	1 <crc><cr> or ^0<crc><cr> Description</cr></crc></cr></crc>	Damasila
ta	Description 050	Remark Hybrid type VDE certification
	050	Hybrid type AS4777 certification
	051	Hybrid type DK certification
	053	Hybrid type RD1663 certification
	054	Hybrid type G83 certification
	055	Hybrid type Taiwan certification
	056	Hybrid type USH certification
	057	Hybrid type USL certification
	058	Hybrid type VDE4105 certification
	059	Hybrid type Korea certification
	060	Hybrid type HongSun certification
	061	Hybrid type Sweden certification
	062	Hybrid type NRS097 certification
	063	Hybrid type Indian certification
	064	Hybrid type EN50438 certification
	065	Hybrid type EN50438(Czech) certification
	066	Hybrid type EN50438(DanMark) certification
	067 068	Hybrid type EN50438(Finland) certification
	068	Hybrid type EN50438(Ireland) certification Hybrid type EN50438(Norway) certification
	70	Hybrid type CEI-021 certification
	71	Hybrid type G59 certification
	72	Hybrid type NZLD certification
	73	Hybrid type Cyprus certification
	74	Hybrid type TOR certification
	75	Hybrid type EN50549 certification
	76	Hybrid type G98 certification
	77	Hybrid type IEEE1547 certification
nnn	100	Grid type VDE certification
111111	101	Grid type AS4777 certification
	102	Grid type DK certification
	103	Grid type RD1663 certification
	104	Grid type G83 certification
	105	Grid type Taiwan certification Grid type USH certification
	106 107	Grid type USL certification Grid type USL certification
	107	Grid type VDE4105 certification
	108	Grid type Korea certification
	110	Grid type HongSun certification
	111	Grid type Sweden certification
	112	Grid type NRS097 certification
	113	Grid type Indian certification
	113	Grid type EN50438 certification
	115	Grid type EN50438(Czech) certification
	116	Grid type EN50438(DanMark) certification
	117	Grid type EN50438(Finland) certification

117 118

119

120 121 Grid type EN50438(Finland) certification

Grid type EN50438(Ireland) certification

Grid type EN50438(Norway) certification

Grid type CEI-021 certification
Grid type G59 certification

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	122	Grid type NZLD certification
	123	Grid typeCyprus certification
	124	Grid typeTOR certification
	125	Grid type EN50549 certification
	126	Grid type G98 certification
	127	Grid type IEEE1547 certification
	150	Off Grid type
A 1	151	Off Grid 3 type
^1	Accept command	
^0	Refuse command	
AGOOORE		
	Set changeable parameter restore to default value	
	恢复默认值	
•	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
^1	Accept command	
^0	Refuse command	
	e: Set AC output frequency to be 50Hz	
Response: ^1<	$CRC > cr > or ^0 < CRC > cr >$	
Data	Description	Remark
^1	Accept command	
^0	Refuse command	
^S004F60 <cr></cr>	: Set AC output frequency to be 60Hz	
	CCRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
^1	Accept command	
^0	Refuse command	
	cr>: Set AC output rated voltage	
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnn	voltage	unit: 0.1V, nnnn: 2020,2080, 2200, 2300, 2400
	<u> </u>	unit: 0.1V, nnnn: 1100,1200 for WP LV
^1	Accept command	
4.0		
^0	Refuse command	
	•	
	<pre><cr>: Set wait time for feed power</cr></pre>	
^S007FTnnnn-	<cr>: Set wait time for feed power 设置并网等待时间</cr>	
^S007FTnnnn- Response: ^1<	<cr>: Set wait time for feed power 设置并网等待时间 CCRC><cr> or ^0<crc><cr></cr></crc></cr></cr>	
^S007FTnnnn- Response: ^1< Data	<cr>: Set wait time for feed power 设置并网等待时间 :CRC><cr> or ^0<crc><cr> Description</cr></crc></cr></cr>	Remark
^S007FTnnnn- Response: ^1 Data nnnn	<cr>: Set wait time for feed power 设置并网等待时间 :CRC><cr> or ^0<crc><cr> Description Wait time</cr></crc></cr></cr>	Remark n: 0~9, unit: second
^S007FTnnnn- Response: ^1< Data nnnn ^1	<cr>: Set wait time for feed power 设置并网等待时间 :CRC><cr> or ^0<crc><cr> Description Wait time Accept command</cr></crc></cr></cr>	
^S007FTnnnn- Response: ^1 Data nnnn	<cr>: Set wait time for feed power 设置并网等待时间 :CRC><cr> or ^0<crc><cr> Description Wait time</cr></crc></cr></cr>	
^S007FTnnnn- Response: ^1 Data nnnn ^1 ^0	<cr>: Set wait time for feed power 设置并网等待时间 CCRC><cr> or ^0<crc><cr> Description Wait time Accept command Refuse command</cr></crc></cr></cr>	
^S007FTnnnn- Response: ^1 Data nnnn ^1 ^0	Cr>: Set wait time for feed power 设置并网等待时间 CCRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command</cr></crc></cr>	
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa	*Cr>: Set wait time for feed power 设置并网等待时间 *CRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command Refuse command waaa,bbbb,cccc,dddd<cr> 设置允许AC充电时间段</cr></cr></crc></cr>	
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1<	CCRC>-cr>: Set wait time for feed power 设置并网等待时间 CCRC>-cr> or ^0<-CRC>-cr> Description Wait time Accept command Refuse command Refuse command Accept command Refuse command CCRC>-cc,dddd<-cr> CCRC>-cc,dddd<-cr> CCRC>-cr> or ^0<-CRC>-cr>	n: 0~9, unit: second
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data	CCRC>-cr> Set wait time for feed power 设置并网等待时间 CCRC>-cr> or ^0<-CRC>-cr> Description Wait time Accept command Refuse command Refuse command Refuse command CCRC>-ccc,dddd<-cr> CCRC>-ccc,dddd<-cr> CCRC>-ccc,dddd<-cr> Description	n: 0~9, unit: second Remark
^S007FTnnnn- Response: ^1 Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1 Data aaaa	*Cr>: Set wait time for feed power 设置并网等待时间 *CRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command aaa,bbbb,cccc,dddd<cr>>: Set AC charge time bucket 设置允许AC充电时间段 *CRC><cr>> or ^0<crc><cr> Description Start time for enable AC charger working</cr></crc></cr></cr></cr></crc></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb	*Cr>: Set wait time for feed power 设置并网等待时间 *CRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command aaa,bbbb,cccc,dddd<cr>: Set AC charge time bucket 设置允许AC充电时间段 *CRC><cr> or ^0<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working</cr></crc></cr></cr></cr></crc></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa	CCRC>-cr> or ^0 <crc>-cr> Description Wait time Accept command Refuse command Refuse command Results and Accept ime bucket 设置允许AC充电时间段 CCRC>-cr> or ^0<crc>-cr> Description Start time for enable AC charger working Ending time for enable AC charger working Secondary Start time for enable AC charger working</crc></crc>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa bbbb	*Cr>: Set wait time for feed power 设置并网等待时间 *CRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command aaa,bbbb,cccc,dddd<cr>>: Set AC charge time bucket 设置允许AC充电时间段 *CRC><cr> or ^0<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working Secondary Start time for enable AC charger working Secondary Ending time for enable AC charger working</cr></crc></cr></cr></cr></crc></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1 Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1 Data aaaa bbbb aaaa bbbb ^1	CCRC> <cr> Set wait time for feed power 设置并网等待时间 CCRC><cr> or ^0<crc><cr> Description Wait time Accept command Refuse command Refuse command Resuse command</cr></crc></cr></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa bbbb	*Cr>: Set wait time for feed power 设置并网等待时间 *CRC> <cr> or ^0<crc><cr> Description Wait time Accept command Refuse command aaa,bbbb,cccc,dddd<cr>>: Set AC charge time bucket 设置允许AC充电时间段 *CRC><cr> or ^0<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working Secondary Start time for enable AC charger working Secondary Ending time for enable AC charger working</cr></crc></cr></cr></cr></crc></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa bbbb ^1 ^0	CRC> <cr> or ^0<crc><cr> or ^0<crc><cr> Description Wait time Accept command Refuse command Refuse command CRC><cr> aca,bbbb,cccc,dddd<cr> Set AC charge time bucket 设置允许AC充电时间段 CRC><cr> or ^0<crc><cr> Description Start time for enable AC charger working Ending time for enable AC charger working Secondary Start time for enable AC charger working Accept command Refuse command Refuse command</cr></crc></cr></cr></cr></cr></crc></cr></crc></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa bbbb ^1 ^0	CCRC> <cr> Set wait time for feed power 设置并网等待时间 CCRC><cr> or ^0<crc><cr> Description Wait time Accept command Refuse command Refuse command Resuse command</cr></crc></cr></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
^S007FTnnnn- Response: ^1< Data nnnn ^1 ^0 ^S024ACCTaa Response: ^1< Data aaaa bbbb aaaa bbbb ^1 ^0 ^S014ACLTaa	CRC> <cr> Set wait time for feed power 设置并网等待时间 CCRC><cr> Or ^0<crc><cr> Description Wait time Accept command Refuse command Aaa,bbbb,cccc,dddd<cr> Baaa,bbbb,cccc,dddd<cr> CCRC><cr> Obscription Accept command Befuse command Accept command Accept command Accept command Accept command Accept command Refuse command Accept command</cr></cr></cr></cr></crc></cr></cr>	n: 0~9, unit: second Remark aaaa: HH:MM(hour : minute) bbbb: HH:MM(hour : minute) cccc: HH:MM(hour : minute)
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### Note State S	D ·		
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Response (14-CRC-**********************************	^S016BITy	ymmddhhffss <cr>: Set battery install time</cr>	
Dear Description Remark Ye-9 Pare Ye-9 Pare Pare Ye-9 Pare Pare Ye-9 Pare Par		设置电池安装时间	
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Accept command	SS		
S009BTn=cr> Li-Fe battery self-lest by charged at a time # 地존 # 世紀 # # # # # # # # # # # # # # # # #	^1	Accept command	
Response: **1-CRC **** *** *** *** *** *** *** *** ***	^0	Refuse command	
Response: **1-CRC **** *** *** *** *** *** *** *** ***			
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Accept command	_	7 = 2	
**A Accept command	•		0. Post 1. 1 11.
S016ACCBa,bbbb*cer: ACcharger keep battery voltage setting ACが出版疾者主進任設置 Response: (C*RC*~c*P**o***O**C*C**C*P**** Data Description			U: disable, 1: enable
**S016ACCBa.bbbb*croft AC charger keep battery voltage setting AC元电器使其电池电话设置 AC元电器使其电池电话设置 AC元电器使其电池电话设置 AC元电器使其电池电话设置 AC元电器使其电池电话设置 AC元电器使其电池电话设置 AC元电器使某些数据 AC charger keep battery voltage bettery voltage		_	
Response: ^1-CRC> <ar></ar>	V	TOTALE COMMISSION	
Response: ^1-CRC> <ar></ar>	^S016ACC	Ba,bbbb <cr>: AC charger keep battery voltage setting</cr>	
Data a AC charger keep battery voltage function enable/diable bbbb AC charger keep battery voltage bbb b 0 - 9, unit: 0.1 V, range: 400-600 c 0 - 9, unit: 0.1 V, range: 400-600 c 0 - 9, unit: 0.1 V, range: 400-600 c 0 - 9, unit: 0.1 V, range: 400-600 c 0 - 9, unit: 0.1 V, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 V, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 V, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 V, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 mV, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 mV, range: 400-9000 for WP 30K c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 0.1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 1 mV, range: 401-100 c 0 - 9, unit: 4 mV, range: 401-100 c 0 - 9, unit: 4 mV, range: 401-100 c 0 - 9, unit: 4 mV, range: 401-100 c 0 - 9, unit: 4 mV, range: 401-100 c 0 - 9, unit: 4 mV, range: 401-100 c 0 - 9, unit:			
AC charger keep battery voltage function enable/diable	Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
bbb	Data		
A. Charger Keep battery voltage b. 0-9, unit: 0.1V, range: 4000-9000 for WP 30K	a	AC charger keep battery voltage function enable/diable	
Accept command	bbbb	AC charger keep battery voltage	, ,
Refuse command **Response: 1~F.CRC~マッ つのくRC~マッ Data Description non Compensation voltage no	^1	Accent command	b: 0~9, unit: 0.1 V, range: 4000~9000 for WP 30K
**S007BTSnnn <r*: ^0<crc="" ^1<crc~<で="" battery="" compensation="" or="" response:="" sensor="" temperature="" 电池温度补偿=""><c></c></r*:>			
Response: ^\ < CRC> <cr> Otata Description Data Description</cr>			
Response: ^1 <rc><er> or ^0<rc><er> Data Description Remark nnn Compensation voltage n: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage n: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage n: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage ns: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage ns: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage ns: 0-9, unit: 0.1mV, range: 0-100 nnn Compensation voltage ns: 0-9, unit: 0.1mV, range: 0-100 nnnn Max. AC charging current ns: 0-9, unit: 0.1A nnnn Max. AC charging current ns: 0-9, unit: 0.1A nnnn Max. AC charging current ns: 0-9, unit: 0.1A nnnn Max. AC charging current ns: 0-9, unit: 0.1A nnnnn Max. AC charging current ns: 0-9, unit: 0.1A nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn</er></rc></er></rc>	^S007BTSr	nnn <cr>: Battery temperature sensor compensation</cr>	
Data Description Remark			
mm Compensation voltage n: 0-9, unit: 0.1mV, range: 0-100 1 Accept command 20 Refuse command 20 Response: 1 CRC ママ の **0 CRC ママ ひ	Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Accept command	Data	•	
**S011MUCHGCnnnn <cr>: Max. AC charging current from AC 最大市电充电电流 Response: ^1< CRC > cr> or ^0 < CRC > cr> Data Description</cr>			n: 0~9, unit: 0.1mV, range: 0~100
**Sol1MUCHGCnnnn <cr> **Sol1MUCHGCnnnn<cr> **Exh 电</cr></cr>			
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Response: ^1 < CRC < cr > or ^0 < CRC < cr > Data Description Remark nnnn Max. AC charging current n: 0-9, unit: 0.1A ^1 Accept command ^0 Refuse command **S012FPADJm,nnnn < cr >: Feeding grid power calibration	BOTTIVIOC		
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mnn	Data		Remark
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S012FPADJm,nnnn< <r> **Cr>* Feeding grid power calibration 并因为率校正 Response: ^1<crc <="" cr="">*** Or ^0<crc <="" cr=""> **Data Description</crc></crc></r>		Accept command	
# 用功率校正 Response: ^1 <crc><cr> or ^0<crc><cr> Data Description</cr></crc></cr></crc>	^0	Refuse command	
# 用功率校正 Response: ^1 <crc><cr> or ^0<crc><cr> Data Description</cr></crc></cr></crc>			
Response: ^1 <crc><cr> or ^0<crc><cr> Data Description Peeding grid derection O: -, 1: + nnnn Feeding grid derection n: 0-9, unit: 1W, range: 0~1000 ^1 Accept command ^0 Refuse command ^S009BDCMnnns ^S009BDCMnnns Response: ^1<crc><cr> or ^0<crc><cr> Data Description Remark nnnn Battery discharge max current in hybrid mode #FME #FME #FME #FME #FME #FME #FME #FME</cr></crc></cr></crc></cr></crc></cr></crc>	^S012FPAI		
Data Description Remark	D		
m Feeding grid derection 0: -, 1: + mnnn Feeding grid calibration power n: 0~9, unit: 1W, range: 0~1000 ^1 Accept command	•		Domonic
n: 0~9, unit: 1W, range: 0~1000			
Accept command	nnnn		/
**None *		<u> </u>	,
#阿模式下电池最大放电电流 Response: ^1 <crc><cr> or ^0<crc><cr> Data Description Remark nnnn Battery discharge max current ^1 Accept command ^0 Refuse command ^S008FPPFnnn ^\$cr>: Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr> or ^0<crc><cr> Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0. ^1 Accept command</cr></crc></cr></crc></cr></crc></cr></crc>			
#阿模式下电池最大放电电流 Response: ^1 <crc><cr> or ^0<crc><cr> Data Description Remark nnnn Battery discharge max current ^1 Accept command ^0 Refuse command ^S008FPPFnnn ^\$cr>: Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr> or ^0<crc><cr> Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0. ^1 Accept command</cr></crc></cr></crc></cr></crc></cr></crc>			
Response: ^1 <crc><cr> or ^0<crc><cr> Data Description Remark nnnn Battery discharge max current n: 0~9, unit: 1A, range: 10~300 nit: 1A, range: 1A, range: 1A, range: 1A, range: 1A,</cr></crc></cr></crc>	^S009BDC		
Data Description Remark nnnn Battery discharge max current n: 0~9, unit: 1A, range: 10~300 ^1 Accept command ^0 Refuse command ^S008FPPFnnn <cr>: Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr> or ^0<crc><cr> Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0. ^1 Accept command</cr></crc></cr></crc></cr>	_		
nnnn Battery discharge max current n: 0~9, unit: 1A, range: 10~300 ^1 Accept command ^0 Refuse command ^S008FPPFnnn <cr>: Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr>> or ^0<crc><cr>> Data Description Remark nnn Feed-in power factor ^1 Accept command</cr></crc></cr></crc></cr>			
^1 Accept command ^0 Refuse command ^S008FPPFnnn <cr> Cr> Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr> Oata Description Data Description nnn Feed-in power factor ^1 Accept command n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0.90</cr></crc></cr>		1	
^0 Refuse command ^0 Refuse command ^0 Refuse command ^0 Response: ^1< CRC><: Set feed-in power factor		•	n. 0~3, unit. 1A, lange. 10~300
^S008FPPFnnn <cr> Cr> : Set feed-in power factor 设定并网功率因素 Response: ^1<crc><cr> Oata Description Data Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0.90 ^1 Accept command</cr></crc></cr>			
设定并网功率因素 Response: ^1 <crc><cr> or ^0<crc><cr> Remark Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0.90~-0.90 ^1 Accept command</cr></crc></cr></crc>		<u> </u>	<u> </u>
设定并网功率因素 Response: ^1 <crc><cr> or ^0<crc><cr> Remark Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0.90~-0.90 ^1 Accept command</cr></crc></cr></crc>	^S008FPPF	Innn <cr>: Set feed-in power factor</cr>	
Data Description Remark nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0. ^1 Accept command			
nnn Feed-in power factor n: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-0.	Response:	\1 <crc><cr> or \0<crc><cr></cr></crc></cr></crc>	
^1 Accept command	Data	Description	Remark
^1 Accept command	nnn	Feed-in power factor	n: $0 \sim 9$, $090 \sim 100$ meas $+0.90 \sim +1.00$. $190 \sim 199$ means $-0.90 \sim -0.90$
			,
v Ketuse collinialiu			
	V	Teruse command	l

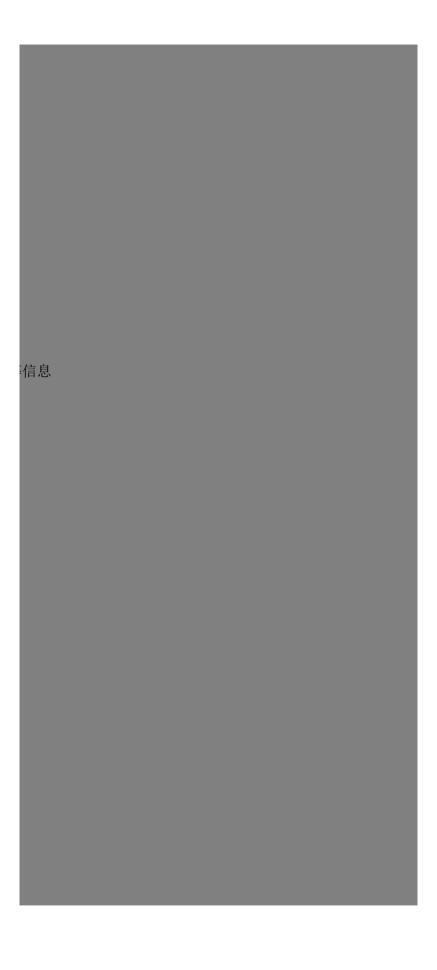
^S006DAIEnc	<cr>: Enable/Disable Parallel for output</cr>	
SUUUFALEIN	启动或停止输出并联	
Response: ^1<	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
n	Enable/Disable	0: disable, 1: enable
^1	Accept command	
^0	Refuse command	
^S013FPR AD	Jm,nnnn <cr>: R phass Feeding grid power calibration</cr>	
5015111015	R相并网功率校正	
Response: ^1<	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
m	Feeding grid derection	0: -, 1: +
nnnn	Feeding grid calibration power	n: 0~9, unit: 1W, range: 0~1000
^1 ^0	Accept command Refuse command	
V	Terrase Communa	
^S013FPSAD.	Jm,nnnn <cr>: S phass Feeding grid power calibration</cr>	
	S相并网功率校正	
•	CCRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
m	Feeding grid derection Feeding grid calibration power	0: -, 1: + n: 0~9, unit: 1W, range: 0~1000
nnnn ^1	Accept command	11. 0 - 2, unit. 1 w , 1 ange. 0~1000
^0	Refuse command	
^S013FPTAD	Jm,nnnn <cr>: T phass Feeding grid power calibration</cr>	
-	T相并网功率校正	
_	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	D1
Data m	Description Feeding grid derection	0: -, 1: +
nnnn	Feeding grid calibration power	n: 0~9, unit: 1W, range: 0~1000
^1	Accept command	
^0	Refuse command	
^S014AAPFa,	bbb,ccc <cr>: Auto-adjust PF with power (Only valid for VDE41 自动根据功率调整PF(仅用于VDE4105)</cr>	05)
	, , , , , , , , , , , , , , , , , , ,	
Dagmanga, A1	$CDC \sim c_{\text{pr}} \sim 0.00 CDC \sim c_{\text{pr}}$	
_	CCRC> <cr> or ^0<crc><cr> Description</cr></crc></cr>	Remark
Response: ^1< Data a	CRC> <cr> or ^0<crc><cr> Description Enable/Disable function</cr></crc></cr>	Remark 0: disable 1: enable
Data	Description Enable/Disable function Start power percentage of auto-adjusting	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100%	0: disable 1: enable
Data a bbb ccc ^1	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100%	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc ^1 ^0	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc ^1 ^0	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc ^1 ^0 ^S010FPRA±1	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr>: Set feed-in reactive power</cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090
Data a bbb ccc ^1 ^0 ^S010FPRA±1	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command **Tennon-cr>: Set feed-in reactive power 设置并网无功功率 **CCRC>-cr> or ^0 <crc>-cr> Description feed-in reactive power</crc>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99
Data a bbb ccc ^1 ^0 ^S010FPRA±1 Response: ^1< Data nnnn ^1	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nmnn ^1 ^0	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPa	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr> CRC><cr> OcRC><cr> Description feed-in reactive power Accept command Refuse command CRC><cr> CRC><cr> OcRC><cr> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command</cr></cr></cr></cr></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPa	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr> CRC><cr> Description feed-in reactive power Accept command Refuse command Refuse corrologous power Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Refuse command</cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr> CRC><: Set feed-in reactive power 设置并网无功功率 CRC><cr> Description feed-in reactive power Accept command Refuse command Refuse command Resuse command</cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Resuse command Resuse command Description Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Description Description Voltage undervoltage recovery point Description Description Voltage undervoltage recovery point Description Description Description Voltage undervoltage recovery point Description Desc</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1<	Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command CRC> <cr> Description feed-in reactive power Accept command Refuse command Refuse command Refuse cor> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Voltage vervoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point CRC><cr> or ^0<crc><cr> or ^0<crc><cr> Discription Voltage undervoltage recovery point CRC><cr> Or ^0<crc><cr> Or ^0<crc< td=""><td>0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V fi电电压二阶保护点</td></crc<></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc></cr></cr></crc></cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V fi电电压二阶保护点
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command mnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Resuse command Resuse command Description Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Description Description Voltage undervoltage recovery point Description Description Voltage undervoltage recovery point Description Description Description Voltage undervoltage recovery point Description Desc</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data Control	Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command CRC> <cr> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Voltage very point Voltage undervoltage recovery point CRC><cr> or ^0<crc><cr> Description Voltage undervoltage recovery point CRC><cr> CRC><cr> or ^0<crc><cr> Description Voltage undervoltage recovery point CRC><cr> Order protect Point CRC><cr> Description Voltage undervoltage recovery point CRC><cr> Order protect Point CRC><cr> Description Voltage undervoltage recovery point Description Description</cr></cr></cr></cr></cr></crc></cr></cr></cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V te电压二阶保护点 Remark Remark
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa	Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command Refuse command CRC> <cr> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Voltage command Refuse comm</cr>	D: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V celeEE二阶保护点 Remark a: 0~9, unit: 0.1V celeEE二阶保护点
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Rescription Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point SecRC><cr> or ^0<crc><cr> Description Voltage undervoltage recovery point Second order overvoltage point Second order overvoltage point Second order underoltage point</cr></crc></cr></cr></crc></cr></cr>	D: disable 1: enable
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Colored To the color of the c	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr> cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Rescress command</cr></crc></cr></cr>	D: disable 1: enable
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Colored To the color of the c	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr>: Set feed-in reactive power 设置并网无功功率 CCRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Rescription Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point SecRC><cr> or ^0<crc><cr> Description Voltage undervoltage recovery point Second order overvoltage point Second order overvoltage point Second order underoltage point</cr></crc></cr></cr></crc></cr></cr>	D: disable 1: enable
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Data a bbb ccc ^1 ^0 ^S010FPRA±1 Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr> cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Resuse co</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V i 电电压二阶保护点 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA±1 Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command nnnn <cr> cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr>> or ^0<crc><cr>> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Rescription Feed-in reactive power Accept command Refuse command Rescription Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Second order overvoltage protection time Second order overvoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time</cr></crc></cr></cr>	D: disable 1: enable
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPa Response: ^1< Data aaaa bbbb ^S014GSVPa Response: ^1< Data aaaa bbbb ^S014GSVPa Response: ^1< Data aaaa bbbb cccc dddd	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command nnnn <cr> cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr>> or ^0<crc><cr>> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Respect command Refuse command Respect cr>: Grid Volt Recover Point 设置一阶市电电压恢复系CRC><cr> or ^0<crc><cr> CDC><cr> or ^0<crc><cr> Description Voltage overvoltage recovery point Voltage undervoltage recovery point Second order overvoltage point Second order overvoltage point Second order overvoltage point Second order underoltage point Second order underoltage point Second order overvoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time Frist order underoltage protection time Frist order underoltage protection time Frist order underoltage protection time</cr></crc></cr></cr></crc></cr></cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V i 电电压二阶保护点 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GVPTaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command nnnn <cr> cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr>> or ^0<crc><cr>> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Rescription Feed-in reactive power Accept command Refuse command Rescription Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Second order overvoltage protection time Second order overvoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time</cr></crc></cr></cr>	D: disable 1: enable
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GVPTaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command Refuse command nnnn <cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr> or ^0<crc><cr> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Resuse command Resuse</cr></crc></cr></cr>	D: disable 1: enable
Data a bbb ccc ^1 ^0 ^S010FPRA± Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GVPTaa Response: ^1< Data aaaa bbbb ^S014GVPTaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr>> Description feed-in reactive power Accept command Refuse command Refuse command Refuse command Refuse command Refuse command Description Voltage overvoltage recovery point Voltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Second order overvoltage point Second order overvoltage point Second order overvoltage point Second order overvoltage protection time Second order overvoltage protection time Frist order underoltage protection time Description Voltage overfrequency recovery point</cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V cet眠二阶保护点 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V ceture
Data a bbb ccc ^1 ^0 ^S010FPRA±1 Response: ^1< Data nnnn ^1 ^0 ^S014GVRPaa Response: ^1< Data aaaa bbbb ^S014GSVPaa Response: ^1< Data aaaa bbbb ^S014GVPTaa Response: ^1< Data aaaa bbbb cccc dddd ^S013FRPaaaa Response: ^1< Data aaaa bbbb	Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% Accept command Refuse command nnnn <cr>: Set feed-in reactive power 设置并网无功功率 CRC><cr>> OBSCription feed-in reactive power Accept command Refuse command Secrectory or ^0<crc><cr>> Description Uoltage overvoltage recovery point Voltage undervoltage recovery point Voltage undervoltage recovery point Second order overvoltage protection time Second order overvoltage protection time Frist order underoltage protection time Frist order overvoltage protection time Frist order overvoltage protection time Frist order underoltage protection time Frist order vervoltage protection time Frist order underoltage protection time</cr></crc></cr></cr>	0: disable 1: enable b: 0~9, unit: %, range: 010~090 c: 0~9, unit: 0.01, range: 190~199, means -0.90~-0.99 Remark n: 0~9, unit: 1Var, range: -5000~5000 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V b: 0~9, unit: 0.1V ce电压二阶保护点 Remark a: 0~9, unit: 0.1V b: 0~9, unit: 0.1V continue—阶二阶电压保护时间 Remark a: 0~9, unit: 0.02S b: 0~9, unit: 0.02S c: 0~9, unit: 0.02S d: 0~9, unit: 0.02S d: 0~9, unit: 0.02S Remark a: 0~9, unit: 0.02S Remark a: 0~9, unit: 0.02S

Resnonse	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Second order overfrequency point	a: 0~9, unit: 0.01Hz
bbbb	Second order overnequency point Second order underfrequency point	b: 0~9, unit: 0.01Hz
0000	Second order underfrequency point	0. 0 %, unit. 0.01112
^S023FPTa	aaaa,bbbb,cccc,dddd <cr>:first order and second order frequenc</cr>	y protection time一阶二阶频率保护时间
	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Second order overfrequency protection time	a: 0~9, unit: 0.02S
bbbb	Second order underfrequency protection time	b: 0~9, unit: 0.02S
cccc	Frist order overfrequency protection time	c: 0~9, unit: 0.02S
dddd	Frist order underfrequency protection time	d: 0~9, unit: 0.02S
	Daaaa,bbb,c <cr>:Over frequency drop rated power过频降额</cr>	a. o
	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Drop rated power point	a: 0~9, unit: 0.01Hz(5010-6200)
bbb	Drop rated power slope	b: 0~9, unit: 1%(10-100)
С	Trigger delay time	c: 0~9, unit: 1S(0-9)
	Raaaa,bbbb,cccc,dddd, eeee <cr>:Voltage and reactive power r</cr>	
	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Maximum reactive power response	a: 0~9, unit: 1Var(WP LV 6KW 失效,改为QUQ命令设置)
bbbb	Reduce rated power point1	b: 0~9, unit: 0.1V
cccc	Reduce rated power point? Reduce rated power point2	c: 0~9, unit: 0.1V
dddd	Reduce rated power point3	d: 0~9, unit: 0.1V
eeee	Reduce rated power point4	e: 0-9, unit 0.1V
cccc	Reduce rated power points	6. 0-2,unit 0.1 v
^\$022DTE	On high and did and are Sat Battamy EO Barrage to	
5023B1E0	Qa,bbbb,ccc,ddd,eee <cr>: Set Battery EQ Parameter 设置电池EQ参数</cr>	
D		
•	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
a	EQ Function Enable or Disable	a:0or1 0: Disable , 1: Enable
bbbb	EQ Voltage	b: 0~9,unit: 0.1V The set range:480~600
ccc	EQ Time	c: 0~9, unit: 1Min The set range:5~900Min (Increment of each
	- 	click is 5min.)
ddd	EQ Timeout	d: 0~9, unit: 1Min The set range:5~900Min (Increment of each
uuu	2Q Timbout	click is 5min.)
		d: 0~9, unit: 1Day The set range:0~90Day(Increment of each
eee	Equalization interval	click
		is 1 day)
^S006EQS'	Ta <cr>: Real time control of EQ status</cr>	
	实时控制EQ状态	
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
a	EQ status	1: Enter EQ status 0: Esc EQ status
^S009SCV	Taaaa <cr>: CV Time SET</cr>	
200720.	恒压充电时长设置	
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
		a: 0~9, unit: 1min The set range:0~900min (Increment of each
aaaa	CV Time Number	click is 5min.)
4000=	No M. F. C	
^S007OPA	NGa <cr>: L1-L2 OP Angle L1-L2输出角度</cr>	
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data		
		1:120度
a	OP Angle	2:180度
^S006SPV	Pa <cr>: PV parallel PV并联</cr>	
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description Description	Remark
a	PV parallel	0: disable 1: enable
	- · · · · · · · · · · · · · · · · · · ·	
		had been a compared to the com
ASUUS V CI	Daaa <cr>: Second output load duration 第二路输出带载持续</cr>	实时间(only for TWIN)
SUUSACL		
	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Response:	^1 <crc><cr> or ^0<crc><cr> Description</cr></crc></cr></crc>	Remark
Response: /	Description	Remark aaa:000-995min: 000:Always loaded
Response:		Remark aaa:000-995min; 000:Always loaded
Response: / Data aaa	Description AC Load duration	
Response: / Data aaa	Description AC Load duration Daaa <cr>: AC output coupled frequency modulation gradient</cr>	
Response: / Data aaa ^S008AFH	Description AC Load duration [Daaa <cr>: AC output coupled frequency modulation gradient AC输出耦合调频曲线</cr>	
Response: / Data aaa ^S008AFH Response: /	Description AC Load duration Daaa <cr> AC ad output coupled frequency modulation gradient AC输出耦合调频曲线 ^1<crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr>	aaa:000-995min; 000:Always loaded
Response: / Data aaa ^S008AFH	Description AC Load duration [Daaa <cr>: AC output coupled frequency modulation gradient AC输出耦合调频曲线</cr>	

1			
ACOOO A FII			
^S008AFH	Daaa <cr>: AC output coupled frequency modulation gradient</cr>		
Dagnanga: /	AC输出耦合调频曲线 ^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		
Data	Description Description	Remark	
aaa	AC output coupled frequency modulation gradient	aaa:005-100; unit: 1%	
aaa	Ac output coupled frequency modulation gradient	aaa.003-100, umt. 170	
^S008FLDa	aaaa,bbb,c <cr>: Low frequency derating curve</cr>		
	低频降额曲线		
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		
Data	Description	Remark	
aaaa	Low frequency Drop rated power point	aaaa:4800-6000; unit: 0.01HZ	
bbb	Drop rated power slope	b: 0~9, unit: 1%	
c	Trigger delay time	c: 0~9, unit: 1S	
^S008QUQ)±aaaa,±bbbb,±cccc,±dddd,eeee <cr>: QU curve</cr>		
D	电压无功响应-无功功率曲线		
•	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	lp 1	
Data	Description	Remark	
±aaaa	Maximum reactive power response	a: 0~9, unit: 1Var (±3000)	
±bbbb	Drop reactive power point1	b: 0~9,unit: 1Var (±3000)	
±cccc	Drop reactive power point2	c: 0~9,unit: 1Var (±3000)	
±dddd	Drop reactive power point3	c: 0~9,unit: 1Var (±3000)	
eeee	Drop rated power voltage point	unit: 0.1V	
^S008ODT	aaaa,bbbb <cr>: QU curve response time</cr>		
3006QK1	QU曲线响应时间		
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		
Data	Description	Remark	
aaaa	reactive power response time	a: 0~9, unit: 1S (0-5000)	
bbbb	active power response time	b: 0~9, unit: 1S (0-5000)	
0000	detive power response time	0. 0), unit. 15 (0 5000)	
^S008PUD	±aaaa,±bbbb,±cccc <cr>: PU curve</cr>		
	PU曲线		
Response:	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		
Data	Description	Remark	
\pm aaaa	PU Derating active power point	a: 0~9, unit: 1W	
±bbbb	PU Drop rated power voltage point1	b: 0~9, unit: 0.1V(1200-1400)	
$\pm cccc$	PU Drop rated power voltage point1	b: 0~9, unit: 0.1V(1200-1400)	

Modified record			
Number	Author	Date	Modified content
1	Daily	2014/2/14	First version
2	Daily	2014/3/3	在PWS命令的Q项插入AC input phase dislocation
3	Daily	2014/3/4	1. 增加GPMP查询命令及设置命令 2. 查询命令及设置命令GLHV改名为GLTHV 3. 增加查询命令FET 4. 增加FT查询命令及设置命令 5. 增加ACCT查询命令及设置命令 6. 增加ACLT查询命令及设置命令 7. 增加F50及F60设置命令 8. 增加V设置命令
4	Daily	2014/3/11	把MOD查询命令回复数据当字母改为数字 增加电池类型设置BT,支持锂电池激活功能BST 增加在混合模式下设置电池最大放电电流BDMC 增加设置电池安装时间BST 增加BATS电池安装时间,电池类型,电池最大放电电流等
5	Daily	2014/7/24	增加ACCB设置命令,对应在BATS中增加该查询项
6	Daily	2014/8/15	1.PE/PD和FLAG命令加入D项,Generator as AC input 2.PE/PD和FLAG命令加入E项,Wide AC input range 3.增加BTS命令,该值在BATS命令查询
7	Daily	2014/8/18	增加MUCHGC命令,该值在BATS命令查询
8	Daily		增加FPADJ查询命令,及设置命令
	Daily		增加BDCM设置命令,该址在BATS命令查询
	Daily		增加查询命令GOV,GOF的恢复点信息
	Daily		增加查询命令FPPF及其设置命令
	Daily		增加输出并联使能命令PALE,对应的查询位在PIRI; 增加FPRADJ,FPSADJ,FPTADJ三个命令分别对三个相进行 单独校正,对应的查询在FPADJ命令中; GS查询命令中加入设置变化位,如果该位为1,那么需要 上位机去查所有命令。
13	Daily	2015/7/2	增加VDE4105下自动调整PF命令AAPF。
	Daily	2015/9/17	增加分许C相武老T相甘由一相毛生的杏海会人和设完会
15	Daily	2015/3/18	增加NRS097和印度法规
	Daily		增加第二段AC充电时间
	zmj		Normal Command 增加^P005INGS查询命令
	zmj	2020/11/27	1.^S009BST-》^S009BSTn 2.增加^P005VFWT,查询DSP/MCU时间版本号
	zmj	2020/11/30	2.^S009BSTn-》 ^S009BTn
20	zmj	2021/3/30	1.变更^P003GS命令PV电流精度: 0.1-》0.01
	LY	2021/5/12	1.^P003WS命令中加入电池EQ状态标志位

22	zmj		1. 删除^P005VFWT错误数据 1.增加^P003MD的机器识别码 3. 增加输出角度命令 ^P003GS-Z/ ^S0070PANGa(针对05机器) 2.增加外部CT继电器命令(针对05机器) 4.增加PV并联命令 ^P005FLAG-K/ ^S006SPVPa(针对03、05机器) 5.删除 ^P005VFWT错误数据 6. 增加AC输出交流耦合命令(针对05机器)
23	zmj	2021/10/20	1.PIRI命令增加并机状态、充电状态返回值
24	zmj		1.衍生新的TWIN机器编码: 06 2.增加TWIN第二路输出信息查询命令^P004PS2,^P004GS2 3.增加^P003PS输出功率数据长度: 4位-》5位(针对WP 系列增加) 4.增加输出耦合调频梯度设置和查询命令 5.^S004Pmn、^P005FLAG增加第二路输出使能禁止位





Calibration command
P1VA±nn <cr>: Solar 1 voltage calibration</cr>
P2VA±nn <cr>: Solar 2 voltage calibration</cr>
BTVA±nn <cr>: Battery voltage calibration</cr>
BPVA±nn <cr>: Main CPU Positive BUS voltage calibration</cr>
BNVA±nn <cr>: Main CPU Negative BUS voltage calibration</cr>
SBPVA±nn <cr>: Slave CPU Positive BUS voltage calibration</cr>
SBNVA±nn <cr>: Slave CPU Negative BUS voltage calibration</cr>
I1VA±nn <cr>: R Inverter output voltage calibration</cr>
I2VA±nn <cr>: S Inverter output voltage calibration</cr>
I3VA±nn <cr>: T Inverter output voltage calibration</cr>
I1IA0 <cr>: Clear R Inverter output current calibration</cr>
IIIA1nnn <cr>: Set R Inverter output current reference value</cr>
I2IA0 <cr>: Clear S Inverter output current calibration</cr>
I2IA1nnn <cr>: Set S Inverter output current reference value</cr>
I3IA0 <cr>: Clear T Inverter output current calibration</cr>
I3IA1nnn <cr>: Set T Inverter output current reference value</cr>
O1IA0 <cr>: Clear R Output current calibration</cr>
O1IA1nnn <cr>: Set R Output current reference value</cr>
O2IA0 <cr>: Clear S Output current calibration</cr>
O2IA1nnn <cr>: Set S Output current reference value</cr>
O3IA0 <cr>: Clear T Output current calibration</cr>
O3IA1nnn <cr>: Set T Output current reference value</cr>
L1VA0 <cr>: Clear R Line input voltage calibration</cr>
L1VA1nnnn <cr>: Set R Line input voltage reference value</cr>
L2VA0 <cr>: Clear S Line input voltage calibration</cr>
L2VA1nnnn <cr>: Set S Line input voltage reference value</cr>
L3VA0 <cr>: Clear T Line input voltage calibration</cr>
L3VA1nnnn <cr>: Set T Line input voltage reference value</cr>
RDCADJm±nnn <cr>: R Grid DC current calibration</cr>
SDCADJm±nnn <cr>: S Grid DC current calibration</cr>
TDCADJm±nnn <cr>: T Grid DC current calibration</cr>
^P005VFWT <cr>: Query version information</cr>
^S003IDLLXXXXXXXXXXXXXXXXXXXXXXCr>: Query series number
^P005INGS <cr>: Query internal general status</cr>
Response: ^D052AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ<0

Data	Description
AAAA	R Inv current
BBBB	S Inv current
CCCC	T Inv current
DDDD	R AC output current
EEEE	S AC output current
FFFF	T AC output current
GGGG	Master P BUS voltage
НННН	Master N BUS voltage
IIII	Slave P BUS voltage
JJJJ	Slave N BUS voltage

CRC> <cr></cr>
Remark
A: 0~9, unit: 0.1A
B: 0~9, unit: 0.1A
C: 0~9, unit: 0.1A
D: 0~9, unit: 0.1V
E: 0~9, unit: 0.1V
F. O. O. unit: 0.1V

F: 0~9, unit: 0.1V G: 0~9, unit: 0.1V H: 0~9, unit: 0.1V

I: 0~9, unit: 0.1V J: 0~9, unit: 0.1V