		SEC Command Format
^TnnnXXXX	X,XXXX,XXXX,, <cr></cr>	
Character	Description	Remark
۸	Start bit	
Т	Type	P: PC Query command, S: Set command, D: Device Response
nnn	Data length	Include CRC and ending character, except"^Tnnn"
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.

Query commands

^P003PI<cr>: Query protocol ID

Response: ^D00517<CRC><cr>

^P003ID<cr>: Query series number

Response: ^D023LLXXXXXXXXXXXXXXXXXXXXXXXCRC><cr>

X: 0~9, 20 unit X totally. LL: the available number of X.

Example: ^D0231401234567890123456789<CRC><cr>, it meas ID is 01234567890123.

^P004VFW<cr>: Query CPU version

Response: ^D017VERFW:nnnnn.nn<CRC><cr>

n: 0~9

Example: ^D017VERFW:00001.00<CRC><cr>

^P005VFW2<cr>: Query secondary CPU version

Response: ^D018VERFW2:nnnnn.nn<CRC><cr>

n: 0~9

Example: ^D018VERFW2:00001.00<CRC><cr>

^P003MD<cr>: Query device model

Response: ^D037AAA,BBBBBBB,CC,D,E,FFFF,GGGG,HH,III<CRC><cr>

Data	Description	Remark
AAA	Machine number 机种	000: Infini-Solar 10KW/3P
BBBBBB	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
E	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 额定输入电压	G: 0~9, unit: 0.1V
НН	Battery piece number 电池节数	H: 0~9
Ш	Battery standard voltage per unit 每节电池标准电压	I: 0~9, unit: 0.1V

^P005PIRI<cr>: Query rated information

Response: ^D045AAAA,BBB,CCCC,DDDD,EEEE,FFFF,GGGG,H,II,J,K<CRC><cr>

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 AC输出额定电压	D: 0~9, unit: 0.1V
EEEE	AC output rated current AC输出额定电流	E: 0~9, unit: 0.1A
FFFF	MPPT rated current per string 每路MPPT额定电流	F: 0~9, unit: 0.1A
GGGG	Battery rated voltage 电池额定电压	G: 0~9, unit: 0.1V
Н	MPPT track number MPPT组数	H: 0~9

II	Machine type	00: Grid type, 01: Off-grid type, 10: Hybrid type
	机型 Topology	
J	拓扑	0: transformerless, 1: transformer
K	Enable/Disable parallel for output	0: disable, 1: enable
^P003GS <cr>:</cr>	Query general status	
•	12AAAA,BBBB,CCCC,DDDD,EEEE,FFF,±GGGGG,HHHH,IIII,JJJ,O,PPPP,QQQQ,RRRR,SSSS,TTTT,UUUU,VVV,WWW,XXX,Y <cr< td=""><td></td></cr<>	
Data	Description	Remark
AAAA	Solar input voltage 1 Solar1输入电压	A: 0~9, unit: 0.1V
BBBB	Solar input voltage 2 Solar2输入电压	B: 0~9, unit: 0.1V
CCCC	Solar input current 1 Solar1输入电流	C: 0~9, unit: 0.1A
DDDD	Solar input current 2 Solar2输入电流	D: 0~9, unit: 0.1A
EEEE	Battery voltage 电池电压	E: 0~9, unit: 0.1V
FFF	Battery capacity 电池容量	F: 0~9, unit: %
±GGGGG	Battery current 电池电流	G: 0~9, unit: 0.1A, +: charge, -: discharge
нннн	AC input voltage R AC输入R相电压	H: 0~9, unit: 0.1V
IIII	AC input voltage S AC输入S相电压—Reserved	I: 0~9, unit: 0.1V
1111	AC input voltage T AC输入T相电压 Reserved	J: 0~9, unit: 0.1V
KKKK	AC input frequency AC输入频率	K: 0~9, unit: 0.01Hz
LLLL	AC input current R AC输入R相电流 Reserved	L: 0~9, unit: 0.1A
MMMM	AC input current S AC输入S相电流 Reserved	M: 0~9, unit: 0.1A
NNNN	AC input current T AC输入T相电流 Reserved	N: 0~9, unit: 0.1A
0000	AC output voltage R AC输出R相电压	O: 0~9, unit: 0.1V
PPPP	AC output voltage S AC输出S相电压 Reserved	P: 0~9, unit: 0.1V
QQQQ	AC output voltage T AC输出T相电压 Reserved	Q: 0~9, unit: 0.1V
RRRR	AC output frequency AC输出频率	R: 0~9, unit: 0.01Hz
SSSS	AC output current R AC输出R相电流 Reserved	S: 0~9, unit: 0.1A
TTTT	AC output current S AC输出S相电流 Reserved	T: 0~9, unit: 0.1A
UUUU	AC output current T AC输出T相电流 Reserved	U: 0~9, unit: 0.1A
VVV	Inner temperature 内部环温	V: 0~9, unit: degree centigrade
WWW	Component max temperature 内部机件最高温度	W: 0~9, unit: degree centigrade
XXX	External battery temperature 外部电池温度	X: 0~9, unit: degree centigrade
Y	Setting change bit 设置有变化标识位	No setting change Setting charge, you have to inquire all of command.
^P003PS <cr>:</cr>	Query power status	
Response: ^D1	15AAAAA,BBBBB,±CCCCC,±DDDDD,±EEEEE,± G,HHHHH,IIIII,JJJJJJ,KKKKK,LLLLL,MMMMM,NNNNN,OOOO	OO,PPP,Q,R,S,T,U,V <crc><cr></cr></crc>
Data	Description	Remark
AAAAA	Solar input power 1 Solar1输入功率	A: 0~9, unit: W
BBBBB	Solar input power 2 Solar2输入功率	B: 0~9, unit: W
±CCCCC	Battery power 电池功率—Reserved	C: 0~9, unit: W, +: charge, -: discharge
±DDDDD	AC input active power R AC输入R相有功功率 Reserved	D: 0~9, unit: W, +: input, -: output
±EEEEE	AC input active power S AC输入S相有功功率 Reserved	E: 0~9, unit: W, +: input, -: output

±FFFFF	AC input active power T AC输入T相有功功率 Reserved	F: 0~9, unit: W, +: input, -: output
±GGGGG	AC input total active power AC输入有功总功率 Reserved	G: 0~9, unit: W, +: input, -: output
ннннн	AC output active power R AC输出R相有功功率	H: 0~9, unit: W
IIIII	AC output active power S	I: 0~9, unit: W
]]]]]]]	AC输出S相有功功率 Reserved AC output active power T	J: 0~9, unit: W
	AC输出T相有功功率 Reserved AC output total active power	
KKKKK	AC输出有功总功率	K: 0~9, unit: W
LLLLL	AC output apperent power R AC输出R相视在功率	L: 0~9, unit: VA
MMMMM	AC output apperent power S AC输出S相视在功率 — Reserved	M: 0~9, unit: VA
NNNN	AC output apperent power T AC输出T相视在功率 Reserved	N: 0~9, unit: VA
000000	AC output total apperent power AC输出视在总功率	O: 0~9, unit: VA
PPP	AC output power percentage AC输出功率百分比	P: 0~9, unit: %
Q	AC output connect status AC输出连接状态	0: disconnect, 1: connect
R	Solar input 1 work status Solar1工作状态	0: idle, 1: work
S	Solar input 2 work status	0: idle, 1: work
T	Solar2工作状态 Battery power direction	0: donothing, 1: charge, 2: discharge
U	电池能量流动方向 DC/AC power direction	0: donothing, 1: AC-DC, 2: DC-AC
V	DC/AC能量流动方向 Line power direction	0: donothing, 1: input, 2: output
	市电能量流动方向	o. donothing, 1. input, 2. output
^P004MOD <ci< th=""><th>r>: Query working mode</th><th></th></ci<>	r>: Query working mode	
D ADO	005VV CDC	
	05XX <crc><cr></cr></crc>	
Data	Description Description	Remark
		Power on mode
		Power on mode Standby mode
Data		Power on mode Standby mode Bypass mode
		Power on mode Standby mode
Data	Description 0 1 2	Power on mode Standby mode Bypass mode
Data	Description 0 1 2	Power on mode Standby mode Bypass mode Battery mode
Data	Description 0 1 2	Power on mode Standby mode Bypass mode Battery mode Fault mode
Data	Description 0 1 2 3 4 5	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode)
Data XX	Description 0 1 2 3 4 5	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode)
Data XX ^P003WS <cr></cr>	Description 0 1 2 3 4 5	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode)
Data XX ^P003WS <cr></cr>	Description 0 1 2 3 4 5 6 : Query warning status	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode)
Data XX ^P003WS <cr> ^D040A,B,C,D Data</cr>	Description 0 1 2 3 4 5 6 : Query warning status D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V <crc><cr> Description Solar input 1 loss</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark
Data XX ^P003WS <cr> ^D040A,B,C,D Data A</cr>	Description 0 1 2 3 4 5 6 : Query warning status D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V <crc><cr> Description Solar input 1 loss Solar1输入电压超出可用范围</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range
Data XX ^P003WS <cr> ^D040A,B,C,D Data</cr>	Description 0 1 2 3 4 5 6 : Query warning status D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V <crc><cr> Description Solar input 1 loss Solar input 2 loss Solar input 2 loss Solar 1输入电压超出可用范围</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark
Data XX ^P003WS <cr> ^D040A,B,C,D Data A</cr>	Description 0 1 2 3 4 5 6 : Query warning status D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V <crc><cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar1输入电压过高</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range
Data XX ^P003WS <cr> ^D040A,B,C,D Data A</cr>	Description 0 1 2 3 4 5 6 : Query warning status D.E.F.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V <crc><cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C</cr>	Description 0 1 2 3 4 5 6 : Query warning status D.E.F.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar 1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar 1输入电压过高 Solar input 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the highest level
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C</cr>	Description 0 1 2 3 4 5 6 : Query warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V <crc><cr> Description Solar input 1 loss Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar input 2 voltage too higher Solar1输入电压过高 Solar2输入电压过高 Battery under</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range Solar input 1 voltage exceed the highest level Solar input 2 voltage exceed the highest level
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C D</cr>	Description 0 1 2 3 4 5 6 : Query warning status D.E.F.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar input 2 voltage too higher Solar1输入电压过高 Solar input 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低 Battery low</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C D E</cr>	Description 0 1 2 3 4 5 6 Cuery warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V <crc><cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar1输入电压过高 Solar input 2 voltage too higher Solar1输入电压过高 Battery under 电池电压过低 Battery low 电池电压偏低 Battery open</cr></crc>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range Solar input 1 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level Battery voltage near to unacceptable level
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C D E F</cr>	Description 0 1 2 3 4 5 6 Cuery warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar1输入电压过高 Solar input 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低 Battery low 电池电压偏低 Battery low 电池电压偏低 Battery open 电池未接 Battery voltage too higher 电池电压过高 Battery low in hybrid mode</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range Solar input 1 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level Battery voltage near to unacceptable level Battery disconnected
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C D E F</cr>	Description 0 1 2 3 4 5 6 C. Query warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar1输入电压过高 Solar input 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低 Battery low 电池电压偏低 Battery low 电池电压偏低 Battery open 电池未接 Battery voltage too higher 电池电压过高 Battery voltage too higher 电池电压过高 Battery tow 电池电压过高 Battery voltage too higher 电池电压过高 Battery low in hybrid mode 在hybrid工作模式下,电池已低于其允许的放电电压 Grid voltage high loss</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level Battery voltage near to unacceptable level Battery voltage exceed the highest level Battery voltage near to unacceptable level Battery voltage exceed the highest level Battery voltage near to unacceptable level Battery voltage drop to unacceptable level Battery voltage exceed the highest level Battery voltage exceed the highest level AC input voltage higher than the highest level of AC feeding
Data XX ^P003WS <cr> ^D040A,B,C,D Data A B C D E F</cr>	Description 0 1 2 3 4 5 6 CQuery warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solar1输入电压过高 Solar input 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低 Battery under 电池电压域低 Battery low 电池电压偏低 Battery open 电池未接 Battery voltage too higher 电池电压过高 Battery low in hybrid mode 在hybrid工作模式下,电池已低于其允许的放电电压 Grid voltage high loss AC输入电压超过可并网最高电压 Grid voltage low loss</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range Solar input 1 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level Battery voltage near to unacceptable level Battery voltage exceed the highest level Battery voltage near to unacceptable level Battery voltage higher than the highest level of AC feeding voltage AC input voltage lower than the lowest level of AC feeding
Data A B C D E F G H I	Description 0 1 2 3 4 5 6 Cuery warning status D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.CRC> <cr> Description Solar input 1 loss Solar1输入电压超出可用范围 Solar input 2 loss Solar2输入电压超出可用范围 Solar input 1 voltage too higher Solarinput 2 voltage too higher Solar2输入电压过高 Battery under 电池电压过低 Battery under 电池电压域低 Battery low 电池电压偏低 Battery open 电池未接 Battery voltage too higher 电池电压过流后 Solarinput 2 voltage too higher Solar2输入电压过高 Colore Battery tow Rattery tow R</cr>	Power on mode Standby mode Bypass mode Battery mode Fault mode Hybrid mode(Line mode, Grid mode) Charge mode Remark Solar input 1 voltage exceed the acceptable range Solar input 2 voltage exceed the acceptable range Solar input 1 voltage exceed the highest level Solar input 2 voltage exceed the highest level Battery voltage drop to unacceptable level Battery voltage near to unacceptable level Battery voltage exceed the highest level Battery voltage exceed the highest level Battery voltage near to unacceptable level Battery voltage exceed the highest level Battery voltage exceed the highest level Battery voltage exceed the highest level AC input voltage higher than the highest level of AC feeding voltage

	Cui d fuo quan av 1 a - 1 a a	AC input well-see learned at 1 at 1 at 2 at 2
М	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
N	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
О	AC input voltage loss AC输入电压超出可使用范围	AC input voltage out of acceptable range
Р	AC input frequency loss AC输入频率超出可使用范围	AC input frequency out of acceptable range
Q	AC input island AC输入孤岛	AC input has been detected for the island
R	AC input phase dislocation AC输入相序错误	AC input three phase dislocation
S	Over temperature 过温	Machine temperature near to unacceptable level
T	Over load 过载	The loads connect to machine exceed abnormal level
U	EPO active EPO激活	Emergent power off active
V	AC input wave loss AC输入波形异常	AC input wave terrible
^P005FLAG <c< td=""><td>r>: Query enable/disable flag status</td><td></td></c<>	r>: Query enable/disable flag status	
	10A,B,C,D <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
E	Wide AC input range 宽的AC输入范围	C: 0/1, 0: disable, 1: enable
F	N/G relay function N线接地功能	C: 0/1, 0: disable, 1: enable
查	uery current time 询当前时间	
	17YYYYMMDDHHFFSS <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	214201314 means the time of 2014-02-14, 20: 13: 14.	
	Query total generated energy 查询总发电量	
Response: ^D0	11NNNNNNNNCRC> <cr></cr>	
Data	Description	Remark
NNNNNNN	Generated energy	N: 0~9, unit: KWh
^P010EYyyyyn	nn <cr>: Query generated energy of year 查询年发电量</cr>	
	11NNNNNNNN <crc><cr></cr></crc>	
Data	Description	Remark
уууу	Year	y: 0~9
nnn	the sum of character string "^P010EYyyyy"	n: 0~9, nnn is a decimal number, and it is low 8 bits of its hexadecimal type.
NNNNNNN	Generated energy	N: 0~9, unit: Wh
^P012EMyyyyı	mmnnn <cr>: Query generated energy of month 查询月发电量</cr>	
Response: ^D0	10NNNNNNN <crc><cr></cr></crc>	
Data	Description	Remark
уууу	Year	y: 0~9
mm	Month	m: 0~9
	· 	1 * *

nnn	the sum of character string "^P010EMyyyymm"	n: 0~9, nnn is a decimal number, and it is low 8 bits of its
		hexadecimal type.
NNNNNN	Generated energy	N: 0~9, unit: Wh
^P014EDyyy	ymmddnnn <cr>: Query generated energy of day 查询天发电量</cr>	
	009NNNNNN <crc><cr></cr></crc>	
Data	Description	Remark
уууу	Year	y: 0~9
mm	Month	m: 0~9 d: 0~9
dd	Day	
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.
NNNNN	Generated energy	N: 0~9, unit: Wh
	ymmddhhnnn <cr>: Query generated energy of hour 查询小时发电量</cr>	
	008NNNNN <crc><cr></cr></crc>	
Data	Description	Remark
уууу	Year	y: 0~9
mm	Month	m: 0~9
dd	Day	d: 0~9
hh	Hour	h: 0~9
nnn	the sum of character string "^P010EHyyyymmddhh"	n: 0~9, nnn is a decimal number, and it is low 8 bits of its hexadecimal type.
NNNNN	Generated energy	N: 0~9, unit: Wh
^P004GOV<	cr>: Query AC input voltage acceptable range for feed power 查询并网电压范围	
Response: ^D	022AAAA,BBBB,CCCC,DDDD <crc><cr></cr></crc>	
Data	Description	Remark
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
	r>: Query AC input frequency acceptable range of feed power 查询并网频率范围	
_	0022AAAA,BBBB,CCCC,DDDD <crc><cr></cr></crc>	
Data	Description	Remark
AAAA	The highest frequency	A: 0~9, unit: 0.01Hz
BBBB CCCC	The livest frequency	B: 0~9, unit: 0.01Hz
DDDD	The highest back frequency The lowest back frequency	A: 0~9, unit: 0.01Hz B: 0~9, unit: 0.01Hz
טטטט	The lowest back frequency	B. 0~9, unit. 0.01112
^P005OPMP	<er>: Query the maximum output power</er>	
	012AAAAAA <crc><cr></cr></crc>	
Data	Description	Remark
AAAAAA	The maximum power	A: 0~9, unit: W
	<cr>: Query the maximum output power for feeding grid 查询最大并网功率</cr>	
	012AAAAAA <crc><cr></cr></crc>	
Data	Description	Remark
AAAAAA	The maximum power	A: 0~9, unit: W
	V <cr>: Query Solar input MPPT acceptable range 查询MPPT范围</cr>	
	012AAAA,BBBB <crc><cr></cr></crc>	
Data	Description The highest voltage	Remark
AAAA BBBB	The highest voltage The lowest voltage	A: 0~9, unit: 0.1V B: 0~9, unit: 0.1V
ממממ	The lowest voltage	[D. 0~2, uiiit. U.1 v
^P003SV <cr< td=""><td>>: Query Solar input voltage acceptable range 查询Solar输入电压范围</td><td></td></cr<>	>: Query Solar input voltage acceptable range 查询Solar输入电压范围	
Response: ^D	012AAAA,BBBB <crc><cr></cr></crc>	
Data	Description	Remark
AAAA	The highest voltage	A: 0~9, unit: 0.1V
BBBB	The lowest voltage	B: 0~9, unit: 0.1V

^P004LST<cr>: Query LCD sleep wait time 查询LCD休眠等待时间 Response: ^D005AA<CRC><cr> Data Description 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,UU UU,VVVV,WWWW,XXX,YYYYY<CRC><cr> Remark Data Description AC input highest voltage for feed power AAAA A: 0~9, unit: 0.1V AC输入可并网最高电压 AC input lowest voltage for feed power BBBB B: 0~9, unit: 0.1V AC输入可并网最低电压 AC input highest frequency for feed power CCCC C: 0~9, unit: 0.01Hz AC输入可并网最高频率 AC input lowest frequency for feed power DDDD D: 0~9, unit: 0.01Hz AC输入可并网最低频率 Solar input highest MPPT voltage EEEE E: 0~9, unit: 0.1V Solar输入允许最高MPPT电压 Solar input lowest MPPT voltage FFFF F: 0~9, unit: 0.1V Solar输入允许最低MPPT电压 Solar input highest voltage GGGG G: 0~9, unit: 0.1V Solar输入允许最高电压 Solar input lowest voltage HHHH H: 0~9, unit: 0.1V Solar输入允许最低电压 AC input long-time highest average voltage IIIII: 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 JJ 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 VVVVV: 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: 0~9, 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 floating charging Y: 0~9, unit: 0.1V 浮充状态下,电池恢复充电的电压点 ^P005BATS<cr>: Query battery setting Response: ^D094AAAA,BBBB,CCCC,DDDD,EEE,FFFF,GGGG,HHHH,IIII,JJJJ,K,LLLL,,S,TTTT,UUU,VVVV,WWWW,<mark>X,YYYY,ZZZZ</mark><CRC><cr> Remark Data Description Battery maximum charge current

A: 0~9, unit: 0.1A

AAAA

电池允许的最大充电电流

BBBB 电池C.V.充电电压 Bterry floating charge voltage 电池浮充电压 C: 0-9, unit: 0.1V DDDD Battery stop charger current level in floating charging 浮光状态下,允许关闭充电器的充电电流点 D: 0-9, unit: 0.1A Keep charged time of battery catch stopped charging current level 浮光状态下,电池型达允许关闭充电器的充电电流点后关闭充 E: 0-9, unit: Minute 电器的等待时间 Battery voltage of recover to charge when battery stop charger in floating charging 浮光状态下,电池恢复充电的电压点 GGGG Battery under voltage 电池模反充电的电压点 G: 0-9, unit: 0.1V HHHH Battery under voltage 由池域低放电电压点 H: 0-9, unit: 0.1V HHHH Battery weak voltage in hybrid mode Hybrid mode Lft状态下,电池恢复放电电压点 I: 0-9, unit: 0.1V JJJJ Battery weak voltage in hybrid mode Hybrid mode Lft状态下,电池恢复放电电压点 J: 0-9, unit: 0.1V K Battery type ULLL Reseved L: 0-9, unit: 0.1A MMNNOO Bettery—install—time—(Reserved) MinnooPpQQRR: YY-MM-DD, HH: MM: SS AC charger keep battery voltage function enable/diable O: disable, 1: enable TTTT AC charger keep battery voltage TTO 0-9, unit: 0.1TV UUU Battery temperature sensor compensation U: 0-9, unit: 0.1N WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1N WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1N When the product of the product		Battery constant charge voltage(C.V.)	1
DDDD Britery stop charges current level in flouting charging	BBBB		B: 0~9, unit: 0.1V
19.00	CCCC	Battery floating charge voltage	C: 0~9, unit: 0.1V
語画性	DDDD	浮充状态下,允许关闭充电器的充电电流点	D: 0~9, unit: 0.1A
Fig.	EEE	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	E: 0~9, unit: Minute
Battery under voltage HHHH Battery weak voltage in hybrid mode Hybrid mode LFEAS F. 出路を抵抗性出版 Hybrid mode LFEAS F. 地路を抵抗性出版 Hybrid mode LFEAS F. 地路を対象 Hybrid mode Hybrid mode LFEAS F. 地路を対象 Hybrid mode Hybrid mode LFEAS F. 地路を対象 Hybrid mode Hybrid mode LFEAS F. 地路を対象 Hybrid	FFFF	floating charging	F: 0~9, unit: 0.1V
### PROPALITY OF PROPERTY OF	GGGG	Battery under voltage	G: 0~9, unit: 0.1V
Bit Hybrid mode 上作技術 Pack性 版电电压 E-0-9, unit: 0.1V	нннн	•	H: 0~9, unit: 0.1V
Battery type	IIII		I: 0~9, unit: 0.1V
Communy Comm	JJJJ	,	J: 0~9, unit: 0.1V
Name	K	* **	0: Ordinary, 1: Li-Fe
Programme Prog	LLLL	Reseved	L: 0~9, unit: 0.1A
Section Sect			MMNNOOPPQQRR: YY-MM-DD, HH:MM:SS
TTTT AC charger keep battery voltage UUU Battery temperature sensor compensation U: 0-9, unit: 0.1N VVVV Max. AC charging current Wix 0-9, unit: 0.1A WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1A WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1A WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1A Wix acceptance of the state of the state of the state of the working drop down to blobb, it will cut-off main output and remain EPS output. When battery voltage comes back to it will connect main output again. TYYYY Battery voltage of cut-off Main output in battery mode(Only valid for 5KW model) TYYYY Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model) TP003DM			
UUU Battery temperature sensor compensation U. 0-9, unit: 0.1mV VVVV Max. AC charging current V: 0-9, unit: 0.1hV WWWW Battery discharge max current in hybrid mode Wicholm State Wicho			
WWWW Battery discharge max current in hybrid mode W: 0-9, unit: 0.1A WWWW Battery discharge max current in hybrid mode X: 0-9, unit: 0.1A When enable and inverter works in battery mode, if batter voltage drop down to bbbb, it will cut-off main output and remain EPS output. When battery voltage comes back to it will connect main output again. YYYY Battery voltage of cut-off Main output in battery mode(Only valid for 5KW model) ZZZZ Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model) ZZZZ Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model) PPO03DM PO04-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-			·
WWWW Battery discharge max current in hybrid mode Enable/Disable EPS function (Only valid for 5KW model) Battery voltage of cut-off Main output in battery mode(Only valid for 5KW model) PROJUMENT SKW model) Battery voltage of cut-off Main output in battery mode(Only valid for 5KW model) Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model) Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model) PROJUMENT SKW model PROJUMENT SKW midel PROJUMENT SKW midel PROJUMENT SKW midel PROJUMENT SKW midel PROJUMENT SKW midel		· · ·	·
Enable/Disable EPS function (Only valid for 5KW model) Enable EPS output When battery voltage of one of the interminal output again. Enable/Disable EPS function (Only valid Collection) Enable EPS output When battery voltage of example Only valid in will connect main output again. Enable/Disable EPS function (Only valid Collection) Enable Mill connect main output again. Enable/Disable EPS function (Only valid Collection) Enable/Disable EPS function (Only valid Collection) Enable Elevation (Only valid Collect			
Battery voltage of re-connecting Main output in battery mode(Only valid for 5KW model)			0: disable 1: enable When enable and inverter works in battery mode, if battery voltage drop down to bbbb, it will cut-off main output and remain EPS output. When battery voltage comes back to cccc,
Valid for 5KW model) Cit 0-9, unit: 0.1 V. Frange: 0400-0600	YYYY		b: 0~9, unit: 0.1V, range: 0400~0600
Response: ^D006AAA <crc>CrData Description Remark </crc>	ZZZZ		c: 0~9, unit: 0.1V, range: 0400~0600
Response: ^D006AAA <crc>CrData Description Remark </crc>	^P003DM/cr	· Query machine model	
Data Description Remark			
050			Remark
051			
052			
053			* **
AAA AAAA			* **
AAA AAA AAA AAA AAA AAA AAA AAA AAA ABA A			
AAA AAAA			
AAA O57 Hybrid type USL certification O58 Hybrid type VDE4105 certification O60 Hybrid type Korea certification O61 Hybrid type HongSun certification O61 Hybrid type Sweden certification O61 Grid type VDE certification O61 Grid type VDE certification O62 Grid type VDE certification O63 O64 O65 O67 O67 O67 O67 O67 O67 O67			
AAA O58 Hybrid type VDE4105 certification O59 Hybrid type Korea certification Hybrid type HongSun certification O60 Hybrid type HongSun certification O61 Hybrid type Sweden certification O61 Grid type VDE certification O70 Grid type VDE certification O70 Grid type DK certification O70 Grid type BDI certification O70 Grid type RD1663 certification O70 Grid type G83 certification O70 Grid type Taiwan certification O70 Grid type USL certification O70 Grid type USL certification O70 Grid type USL certification O70 Grid type VDE4105 certification O70 Grid type VDE4105 certification O70 Grid type VDE4105 certification O70 Grid type Worea certification O70 Grid type HongSun certification O70 Grid type HongSun certification O71 Grid type Sweden certification			* **
AAA O59 Hybrid type Korea certification O60 Hybrid type HongSun certification O61 Hybrid type Sweden certification O61 Grid type VDE certification O79 O79 O79 O79 O79 O79 O79 O79 O79 O7			· · · · · · · · · · · · · · · · · · ·
AAA 100			* **
AAA 100 Grid type VDE certification 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 106 Grid type USH certification 107 Grid type USH certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 111 Grid type Sweden certification			, , , , , , , , , , , , , , , , , , ,
AAA 100 Grid type VDE certification 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 106 Grid type USH certification 107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 111 Grid type Sweden certification 150 Off Grid type			
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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 106 Grid type USH certification 107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type	AAA		V A
103 Grid type RD1663 certification 104 Grid type G83 certification 105 Grid type Taiwan certification 106 Grid type USH certification 107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type			
104 Grid type G83 certification 105 Grid type Taiwan certification 106 Grid type USH certification 107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type			* 1
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106 Grid type USH certification 107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type		104	**
107 Grid type USL certification 108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type			V A
108 Grid type VDE4105 certification 109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type		106	**
109 Grid type Korea certification 110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type		107	
110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type		108	Grid type VDE4105 certification
110 Grid type HongSun certification 111 Grid type Sweden certification 150 Off Grid type		109	
111 Grid type Sweden certification 150 Off Grid type		110	* 2
150 Off Grid type			
			*1
			* *
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^P004MAR<cr>: Query machine adjustable range

Response:
^D126AAAA,BBBB,CCCC,DDDD,EEEE,FFFF,GGGG,HHHH,IIII,JJJJ,KKKK,LLLL,MMMM,NNNN,OOOO,PPPP,QQQQ,RRRR,SSSS,TTTT,

Solarian A 元 版 世		,WWWWWW,XXXXXX <crc><cr></cr></crc>	
AGASA ACASA ACASA ACASA 1 并降离素正正可读在下程 Dever limit of AC Input links to Notage for food power ACASA 1 并将极高电压可设在下程 ACASA 1 并将极高电压可设在下程 DDDD DDD (Dever limit of AC Input lineset voltage for food power ACASA 1 并将极高电压可设在下程 ACASA 1 并将极高电压可设在下程 DDDD (Dever limit of AC Input lineset voltage for food power ACASA 1 并将极高电压可设在下程 ACASA 1 并将极高电压可设在下程 DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input links) and fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (Dever limit of AC Input lowest fooders [1] DDDD (DDDD (DD	Data	1	Remark
### STATES AND STATE	AAAA		A: 0~9, unit: 0.1V
### Page ### ### ### ### ### ### ### ### ### #	ВВВВ	AC输入可并网最高电压可设值下限	B: 0~9, unit: 0.1V
BELE	CCCC	AC输入可并网最低电压可设值上限	C: 0~9, unit: 0.1V
FEELE AC第入 대부ŋ֎素解率可發性上限 FFFF AC第入 대부ŋ֎素解率可發性上限 AC第入 대부ŋ֎素解率可發性上限 AC第入 대부ŋ֎素解率可發性上限 AC第入 대부ŋ֎素解率可發性上限 The lower limit of AC input lowest frequency for feed power AC第入可非ŋ֎素妹率可發性上限 The lower limit of AC input lowest frequency for feed power AC第入可非ŋ֎素妹率可發性上限 The lower limit of AC input lowest frequency for feed power AC第入可非ŋ֎素妹率可發性上限 The lower limit of AC input lowest frequency for feed power BC -9, unit: O.01Hz The upper limit of AC input lowest frequency for feed power BC -9, unit: Second The lower limit of Solar maximum input voltage The lower limit of solar maximum input voltage The upper limit of solar maximum input voltage The upper limit of solar maximum input voltage The lower limit of solar maximum input voltage The lower limit of solar maximum input voltage The upper limit of solar maximum input voltage The upper limit of solar maximum MPPT voltage The lower limit of solar maximum MPPT voltage The upper limit of solar ma	DDDD	AC输入可并网最低电压可设值下限	D: 0~9, unit: 0.1V
ROGGG Lamper mint of cal imput lowest frequency for feed power AC\$A 元 清水 清水縣 化 imput lowest frequency for feed power AC\$A 元 清水縣 化烷素和豆硷 上限 Lamper mint of cal imput lowest frequency for feed power AC\$A 元 清水縣 化烷素和豆硷 上限 Lamper lamit of wait time for feed power AC\$A 元 清水縣 化烷素和豆硷 上限 Lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamit of wait time for feed power Lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamit of wait time for feed power Lamper lamper lamit of wait time for feed power Lamper lamit of wait time time wait lamper lamit of wait maximum MPDT voltage Lamper lamit of wait maximum MPDT voltage Lamper lamit of wait maximum MPDT voltage Lamper lamit of wait minimum minimum lamit lam	EEEE	AC输入可并网最高频率可设值上限	E: 0~9, unit: 0.01Hz
HHHH River mint of Act input towest frequency for feed power Act かん 可 沖田最低線率可受値下限 H: 0-9, unit: 0.0Hz	FFFF	AC输入可并网最高频率可设值下限	F: 0~9, unit: 0.01Hz
Hilling Acade A 7 計画の低低線率可设值下展	GGGG	AC输入可并网最低频率可设值上限	G: 0~9, unit: 0.01Hz
## 持行等待時间可受在上限 ## 15 0-9, unit: Second ## 15 0-9, unit: Second ## 16 0-9, unit: Second ## 17 10 10 10 10 10 10 10 10 10 10 10 10 10	НННН	AC输入可并网最低频率可设值下限	H: 0~9, unit: 0.01Hz
#R	III	并网等待时间可设值上限	I: 0~9, unit: Second
Solarian A 最高电压可接性上限]]]	并网等待时间可设值下限	I: 0~9, unit: Second
Solar能入層液性医可炎性下限	KKKK	Solar输入最高电压可设值上限	K: 0~9, unit: 0.1V
Solar	LLLL	Solar输入最高电压可设值下限	L: 0~9, unit: 0.1V
NNNN Solar输入最低电压可设值下限	MMMM	Solar输入最低电压可设值上限	M: 0~9, unit: 0.1V
Remark	NNNN	Solar输入最低电压可设值下限	N: 0~9, unit: 0.1V
開発性 最高MPPT电压可设值下限 QQQQ	0000	最高MPPT电压可设值上限	O: 0~9, unit: 0.1V
RRRR	PPPP	最高MPPT电压可设值下限	P: 0~9, unit: 0.1V
RRRR 最低MPPT电压可设值下限 SSSS The upper limit of battery charged voltage S: 0-9, unit: 0.1V The lower limit of battery charged voltage T: 0-9, unit: 0.1V The upper limit of battery darged current 最大充电电流可设值上限 UUUU The lower limit of battery Max. charged current 最大充电电流可设值上限 VVVV	QQQQ	最低MPPT电压可设值上限	Q: 0~9, unit: 0.1V
SSSS 充电电压可设值上限 S: 0-9, unit: 0.1V TTTT The lower limit of battery Max. charged current 是大充电电流可设值上限 U: 0-9, unit: 0.1A UVVV The lower limit of battery Max. charged current 是大充电电流可设值上限 V: 0-9, unit: 0.1A WWWWWW The lower limit of maximum feeding power 最大并阿功率可设值上限 W: 0-9, unit: W XXXXXX The lower limit of maximum feeding power 最大并阿功率可设值上限 X: 0-9, unit: W AP004CFS<	RRRR	最低MPPT电压可设值下限	R: 0~9, unit: 0.1V
第一年 大・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	SSSS	充电电压可设值上限	S: 0~9, unit: 0.1V
最大充电电流可设值上限 VVVV	TTTT	充电电压可设值下限	T: 0~9, unit: 0.1V
WVVV 最大充电电流可设值下限	UUUU	最大充电电流可设值上限	U: 0~9, unit: 0.1A
最大并网功率可设值上限	VVVV	最大充电电流可设值下限	V: 0~9, unit: 0.1A
AXXXX 最大并図功率可设值下限 AY004CFS<< → Query current fault status Response: ↑D0∪8AA,BB <crc><r> Data Description Remark AA The latest fault code 最新故障代码 最新故障代码 BB The latest fault code ID stored in flash 在Flash最新存储故障代码的ID 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 Inverter current exceed the upper limit DI Neverter current exceed the upper limit DI Neverter current exceed the upper limit DI Neverter current exceed the upper limit</r></crc>		最大并网功率可设值上限	
Response: ^DOUSAA,BB <crc><cr> Data Description Remark AA The latest fault code 最新故障代码</cr></crc>	XXXXXX		X: 0~9, unit: W
Response: ^DOUSAA,BB <crc><cr> Data Description Remark AA The latest fault code 最新故障代码</cr></crc>	^P004CFS <cr></cr>	: Query current fault status	
AA The latest fault code 最新故障代码 BB The latest fault code ID stored in flash 在Flash最新存储故障代码的ID 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	Response: ^D0	08AA,BB <crc><cr></cr></crc>	
AA 最新故障代码 BB The latest fault code ID stored in flash 在Flash最新存储故障代码的ID 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	Data	*	Remark
BB在Flash最新存储故障代码的IDBB: 0~8Fault code list01BUS exceed the upper limit BUS高压		最新故障代码	
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			BB: 0~8
BUS高压 BUS dropp to the lower limit BUS低压 BUS soft start circuit timeout BUS软启动超时 O4 Inverter voltage soft start timeout 逆变软启动超时 O5 Inverter current exceed the upper limit		BUS exceed the unner limit	
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	01	* *	
BUS soft start circuit timeout BUS软启动超时 04 Inverter voltage soft start timeout 逆变软启动超时 Inverter current exceed the upper limit	02	**	
04 逆变软启动超时 05 Inverter current exceed the upper limit	03	BUS软启动超时	
Inverter current exceed the upper limit	04	逆变软启动超时	
	05	Inverter current exceed the upper limit	

-		
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	Battery disconnected 电池未接	
26	AC output short 输出短接	
27	Fan lock 风扇堵转	
32	Battery DC-DC current over 电池DC-DC电流过高	
33	AC output voltage too low 输出电压过低	
34	AC output voltage too high 输出电压过高	
35	Control board wiring error 控制板接线异常	
36	AC circuit voltage sample error AC电路电压采样差异较大	

^P006HFSnn<cr>: Query history fault parameter

Response: ^D129nn,AA,BBCCDDEEFFGG,HH,IIII,JJJJ,KKKKK,LLLLL,MMMM,NNNN,OOOO,PPPP,QQQQ,±RRRRR,SSSS,TTTT,UUUU,VVVV,WWWW,XXXX,YYYY,ZZZ,aaa,bbb,ccc<CRC><cr>

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 EEFFGG	Time 故障时间	Format: YY-MM-DD, HH:MM:SS
НН	Work mode 工作模式	
IIII	Solar input voltage 1 Solar1输入电压	I: 0~9, unit: 0.1V
]]]]]	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

No. 10			
2000 유트-Impatt-variance	NNNN		N: 0~9, unit: 0.1V
PPPP ACR, 55명부 PPP ACR, 5598 PP ACR, 5598 PPP ACR, 5598	0000	AC input voltage T	O: 0~9, unit: 0.1V
### AC Company Action Processing	DDDD		D 0 0 2 001H
1世紀日本		AC输入频率	
	QQQQ	电池电压	Q: 0~9, unit: 0.1V
SSSSS RAACS@deditE Story and LIV TITT (surgested volumes Statistically Story and LIV TITT (surgested volumes Statistically S	±RRRRR		R: 0~9, unit: 0.1V, +: charge, -: discharge
1717	SSSS		S: 0~9, unit: 0.1V
W. W. AC output frequency	TTTT	AC output voltage S	T: 0~9, unit: 0.1V
WWW AC output spercet power R RHACSHERGE ASS AC output spercet power R RHACSHERGE ASS AC output spercet power R RHACSHERGE ASS AC output spercet power A SHACSHERGE ASS AC OUTPUT SPERCE ASS AC OUTPUT	UUUU	AC output voltage T	U: 0~9, unit: 0.1V
AC 物件列車 Relation proper power R Relation proper proper power R Relation proper proper power R Relation proper proper proper S SARA SAR H来展示事業 Reserved XXXX	VVVV	AC output frequency	V: 0~9. unit: 0.01Hz
XXXX			<u> </u>
SHLS-GHIRLE(FLUE) Reserved YYYY HAGS-GHIRLE(FLUE) Reserved YY (0-9, unit: VA ZZZ A Comput percentage A C (0-9), unit: Wa A C (0-1), unit: Wa Inner temperature A C (0-9), unit: degree centigrade PASH A C (0-9), unit: degree centigrade Reserved External battery temperature C (0-9), unit: degree centigrade Reserved External battery temperature C (0-9), unit: degree centigrade Reserved External battery temperature C (0-9), unit: degree centigrade Reserved External battery temperature C (0-9), unit: degree centigrade Reserved Reserved Reserved Reserved External battery temperature C (0-9), unit: degree centigrade Reserved Reserved Remark O Battery-Load-Grad O Battery-Load-Grad O Battery-Load-Grad O Battery-Load-Grad O C Load-Grad Battery C (0-1), Load-Battery-Grid O C Load-Grad Battery C (1), C disable E C Rabbiedisable battery discharge battery L (1), C disable E C Rabbiedisable battery uscharge to loads when solar input normal E Solar-Exposition E Reserved Remark A (0-9), unit: 0.1V A (0-9) A		R相AC输出视在功率	W: 0~9, unit: VA
The HARGGELERGE PRESSENCED 10-9, unit: VA 20-9, unit: degree centigrade 20-9,	XXXX	S相AC输出视在功率 Reserved	X: 0~9, unit: VA
AC\$\(\text{a}\) the respectative holds are temperature as 0-9, unit: degree centigrade holds are temperature holds are temperature as 0-9, unit: degree centigrade holds are temperature by the state of the state o	YYYY		Y: 0~9, unit: VA
Inner temperature	ZZZ		Z: 0~9, unit: %
bbb Component Max temperature 供為內容的學術學學的學術學學的學術學的學術學的學術學的學術學的學術學的學術學的學術學的	aaa	Inner temperature	a: 0~9, unit: degree centigrade
External battery temperature c: 0-9, unit: degree centigrade	bbb	Component Max. temperature	b: 0~9, unit: degree centigrade
PAPEU TEMEN	ccc	External battery temperature	c: 0~9, unit: degree centigrade
Response: 'D019AA,B.C.D.E.F.G.H.I-CRC> <ed data="" description="" load-battery="" load-battery-crid="" load-battery-grid="" load-battery-load-grid="" load-grid-battery="" o1:="" o1<="" o2:="" obbatety-load-grid="" td=""><td></td><td></td><td></td></ed>			
Data Description	^P005HECS<	<cr>: Query energy control status</cr>	
Solar energy distribution of priority Solar®量分配优先级 B Enable/disable solar charge battery 充电优能 C Enable/disable AC charge battery AC 充电使能 D Enable/disable AC charge battery AC 充电使能 Enable/disable battery discharge to loads when solar input normal 当Solar正常的时候,电池放电带教使能 Enable/disable battery discharge to loads when solar input normal 当Solar正常的时候,电池放电带教使能 Enable/disable battery discharge to loads when solar input loss 当Solar正常的时候,电池放电带教使能 Enable/disable battery discharge to loads when solar input loss 当Solar正常的时候,电池放电带教使能 Enable/disable battery discharge to feed power to utility when solar input normal 当Solar正常的时候,电池放电并同使能 Enable/disable battery discharge to feed power to utility when solar input normal 当Solar正常的时候,电池放电并同使能 I enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 2: enable, 0: disable 3: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 2: enable, 0: disable 3: enable, 0: disable 1: enable, 0: disable 1: enable, 0: disable 2: enable, 0: disable 3: enable, 0: dis	Response: ^D	0019AA,B,C,D,E,F,G,H,I <crc><cr></cr></crc>	
AA Solar energy distribution of priority Solar energy distribution of priority O2: Load-Grid-Battery O3: Load-Grid-Battery O3: Load-Grid-Battery O4: Load	Data	Description	Remark
AA Solar energy distribution of priority Solar energy distribution of priority O2: Load-Grid-Battery O3: Load-Grid-Battery O3: Load-Grid-Battery O4: Load			00: Battery-Load-Grid
B Enable/disable solar-charge battery 允电传能 l: enable, 0: disable C hable/disable AC charge battery AC克电使能 l: enable, 0: disable Enable/disable AC charge battery AC克电使能 l: enable, 0: disable Enable/disable feed power to utility 并例使能 l: enable, 0: disable Enable/disable battery discharge to loads when solar input normal Scolar上常的时候,电池放电带载使能 l: enable, 0: disable Enable/disable battery discharge to loads when solar input loss Scolar上常的时候,电池放电带载使能 l: enable, 0: disable Enable/disable battery discharge to feed power to utility when solar input normal Scolar上常的时候,电池放电并网使能 l: enable, 0: disable Enable/disable battery discharge to feed power to utility when solar input normal Scolar上常的时候,电池放电并网使能 l: enable, 0: disable Enable/disable battery discharge to feed power to utility when solar input loss Scolar上常的时候,电池放电并网使能 l: enable, 0: disable Enable/disable battery discharge to feed power to utility when solar input loss Scolar上常的时候,电池放电并网使能 Reserved Reserved Reserved Acserved Reserved Data Description Remark Ac input long-lime highest average voltage AC input long-lime hi	AA		01: Load-Battery-Grid
Enable/disable AC charge battery AC 充电使能 D	В		
Enable/disable feed power to utility 并阿使能 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 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 Gnable/disable battery discharge to feed power to utility when solar input normal 当Solar正常的时候,电池放电并阿使能 Enable/disable battery discharge to feed power to utility when solar input normal 当Solar正常的时候,电池放电并阿使能 Enable/disable battery discharge to feed power to utility when solar input loss 当Solar异常的时候,电池放电并阿使能 I Reserved P006GLTHV <cr> Query AC input long-lime highest average voltage Response: \(^2\)DOTAAAA<crc><cr> Data Description Remark AAAA AC input long-lime highest average voltage AC输入平均值长时间过压点 AC input long-lime highest average voltage AC input long-lime highest average volt</cr></crc></cr>	C	Enable/disable AC charge battery	1: enable, 0: disable
E 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 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 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 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 Enable/disable battery discharge to feed power to utility when solar input loss 当Solar正常的时候,电池放电并网使能 I Reserved Reserved P0006GLTHV <cr> OP006GLTHV<cr> Option Data Description AAAAA AC (RC)<cr> Data Description Remark AAAAA AC (apul long-lime highest average voltage AC (apul long-li</cr></cr></cr>	D	Enable/disable feed power to utility	1: enable, 0: disable
Solar上常的时候、电池放电带数使能		Enable/disable battery discharge to loads when solar input normal	
Solar异常的时候,电池放电带载使能			
Input normal	F	当Solar异常的时候,电池放电带载使能	1: enable, 0: disable
H input loss 当Solar异常的时候,电池放电并网使能	G	input normal	1: enable, 0: disable
Reserved P006GLTHV <cr>: Query AC input long-lime highest average voltage Response: ^D007AAAA<crc><cr> Data Description Remark AAAA AC input long-lime highest average voltage AC输入平均值长时间过压点 P004FET<cr>: Query first generated energy saved time Response: ^D007YYYYMMDDHH Response: ^D007YYYYMMDDHH Response: ^D007YYYYMMDDHH Response: ^D007YYYYMMDDHH Response: ^D007YYYYMMDDHH Response: ^D007YYYYMMDDHH Remark YYYY Year Y: 0~9 MM Month M: 0~9 DD Day D: 0~9 HH Hour H: 0~9</cr></cr></crc></cr>	Н	input loss	1: enable, 0: disable
Response: ^D007AAAA <crc><cr> Data Description Remark AC input long-lime highest average voltage AC输入平均值长时间过压点 ^P004FET<cr>: Query first generated energy saved time Response: ^D007YYYYYMMDDHH<crc><cr> Data Description Remark YYYY Year Y: 0~9 MM Month M: 0~9 DD Day Day D: 0~9 HH Hour H: 0~9 ^P003FT<cr>: Query wait time for feed power</cr></cr></crc></cr></cr></crc>	I		Reserved
Response: ^D007AAAA <crc><cr> Data Description Remark AC input long-lime highest average voltage AC输入平均值长时间过压点 ^P004FET<cr>: Query first generated energy saved time Response: ^D007YYYYYMMDDHH<crc><cr> Data Description Remark YYYY Year Y: 0~9 MM Month M: 0~9 DD Day Day D: 0~9 HH Hour H: 0~9 ^P003FT<cr> : Query wait time for feed power</cr></cr></crc></cr></cr></crc>	^P006GLTH	V <cr>: Query AC input long-lime highest average voltage</cr>	
AAAA AC input long-lime highest average voltage AC输入平均值长时间过压点 A: 0~9, unit: 0.1V ACC输入平均值长时间过压点 A: 0~9, unit: 0.1V			
AAAA AC input long-lime highest average voltage AC输入平均值长时间过压点 A: 0~9, unit: 0.1V Acc输入平均值长时间过压点 A: 0~9, unit: 0.1V			Remark
Response: ^D007YYYMMDDHH <crc><cr> Data Description Remark YYYY Year Y: 0~9 MM Month M: 0~9 DD Day D: 0~9 HH Hour H: 0~9 ^P003FT<cr> Cr> Query wait time for feed power</cr></cr></crc>		AC input long-lime highest average voltage	
Data Description Remark YYYY Year Y: 0~9 MM Month M: 0~9 DD Day D: 0~9 HH Hour H: 0~9	^P004FET <c< td=""><td>r>: Query first generated energy saved time</td><td></td></c<>	r>: Query first generated energy saved time	
YYYY Year Y: 0~9 MM Month M: 0~9 DD Day D: 0~9 HH Hour H: 0~9	Response: ^D	0007YYYYMMDDHH <crc><cr></cr></crc>	
MM Month M: 0~9 DD Day D: 0~9 HH Hour H: 0~9 ^P003FT< <cr> Query wait time for feed power H: 0~9</cr>	Data	Description	Remark
DD Day HH Hour D: 0~9 H: 0~9 ^P003FT <cr>: Query wait time for feed power</cr>	YYYY	Year	Y: 0~9
HH Hour H: 0~9 ^P003FT <cr>: Query wait time for feed power</cr>	MM	Month	M: 0~9
^P003FT <cr>: Query wait time for feed power</cr>	DD	Day	D: 0~9
· · · · · · · · · · · · · · · · · · ·	НН	·	
· · · · · · · · · · · · · · · · · · ·			
· · · · · · · · · · · · · · · · · · ·	^P003FT <cr></cr>	>: Query wait time for feed power	
•		- ·	

Data	Description	Remark	
AAA	Wait time	A: 0~9, unit: second	
11111	That time	11.0 %, unit become	
^P005ACCT<0	er>: Query AC charge time bucket		
查询允许AC充电时间段			
Response: ^D0	12AAAA,BBBB <crc><cr></cr></crc>		
Data	Description	Remark	
AAAA	Start time for enable AC charger working	AAAA: HH:MM(hour : minute)	
BBBB	Ending time for enable AC charger working	BBBB: HH:MM(hour : minute)	
	Zhong time to timete the timeger working	2222 TITI III (Now Y TIMBUR)	
	^P005ACLT <cr>: Query AC supply load time bucket 查询允许AC带载时间段</cr>		
	12AAAA,BBBB <crc><cr></cr></crc>		
Data	Description	Remark	
AAAA	Start time for enable AC supply the load	AAAA: HH:MM(hour : minute)	
BBBB	Ending time for enable AC supply the load	BBBB: HH:MM(hour : minute)	
	cr>: Query feeding grid power calibration 查询并网校正功率		
•	09A,BBBB,C,DDDD,E,FFFF,G,HHHH <crc><cr></cr></crc>		
Data	Description	Remark	
A	Feeding grid derection	0: -, 1: +	
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 Reserved	0: -, 1: +	
FFFF	S pahse Feeding grid calibration power Reserved	n: 0~9, unit: 1W	
G	T phase Feeding grid derection Reserved	0: -, 1: +	
НННН	T phase Feeding grid calibration power Reserved	n: 0~9, unit: 1W	
	*>: Query feed in power factor 查询并网功率因素		
	06nnn <crc><cr></cr></crc>		
Data	Description	Remark II: 0~9, 090~100 meas +0.90~+1.00, 190~199 means -0.90~-	
nnn	Feed in power factor	0.00	
^P005AAPF <cr>: Query auto-adjust PF with power information(Only valid for VDE4105)</cr>			
^P005AAPF <c< td=""><td>r>: 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)</td><td>DE4105)</td></c<>	r>: 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)	
	- · · · · · · · · · · · · · · · · · · ·	DE4105)	
	查询自动根据功率调整PF参数(仅用于VDE4105)	DE4105) Remark	
Response: ^D0	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr></cr></crc>		
Response: ^D0	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description</cr></crc>	Remark	
Response: ^D0 Data a	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function</cr></crc>	Remark 0: disable 1: enable	
Response: ^D0 Data a bbb	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting</cr></crc>	Remark 0: disable 1: enable b: 0~9, unit: %, range: 010~090	
Response: ^D0 Data a bbb ccc	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting</cr></crc>	Remark 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	
Response: ^D0 Data a bbb ccc ^P004PLE <cr></cr>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st</cr></crc>	Remark 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	
Response: ^D0 Data a bbb ccc ^P004PLE <cr></cr>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description</cr></crc></cr></crc>	Remark 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	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D</er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> O04a<crc><er></er></crc></er></crc></cr></crc>	Remark 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 atus (Only valid for single model)	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D</er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description Enable/Disable function</cr></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a</er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description</cr></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark	
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Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c< td=""><td>查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc<crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能</cr></crc></cr></crc></td><td>Remark 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 atus (Only valid for single model) Remark</td></c<></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能</cr></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c< td=""><td>查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc<crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> OCRC><cr></cr></cr></cr></crc></cr></crc></td><td>Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable</td></c<></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><cr> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> OCRC><cr></cr></cr></cr></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable	
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Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""></c></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a〈CRC〉〈cr〉 Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command</cr></crc></cr></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""></c></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a〈CRC〉〈cr〉 Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command Refuse command</cr></crc></cr></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark	
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Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data</c></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command * Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable Accept command Refuse command Refuse command * Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable A</cr></crc></cr></cr></crc></cr></cr></crc></cr></er></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data</c></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> Description Enable/Disable function Set commands r>: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command Refuse command : Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable A B</cr></crc></cr></cr></crc></cr></er></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode	
Response: ^DO Data a bbb ccc ^P004PLE <er> Response: ^D Data a ^S005LONn<c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data</c></er>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a〈CRC〉〈cr〉 Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC〉〈cr〉 or ^0〈CRC〉〈cr〉 Description Enable/disable Accept command Refuse command Refuse command : Set enable/disable status CRC〉〈cr〉 or ^0〈CRC〉〈cr〉 Description enable/disable A B C</cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode Mute buzzer beep only on battery discharged status	
Response: ^DO Data a bbb ccc -P004PLE<-r> Response: D Data a ^S005LONn <c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data m</c>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a〈CRC〉〈cr〉 Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC〉〈cr〉 or ^0〈CRC〉〈cr〉 Description Enable/disable Accept command Refuse command Refuse command CRC〉〈cr〉 or ^0〈CRC〉〈cr〉 Description enable/disable status CRC〉〈cr〉 or ^0〈CRC〉〈cr〉 Description enable/disable A B C D</cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode Mute buzzer beep only on battery discharged status Generator as AC input	
Response: ^DO Data a bbb ccc -P004PLE<-r> Response: D Data a ^S005LONn <c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data m</c>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command Refuse command Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable A B C D E B C D E</cr></crc></cr></cr></crc></cr></er></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode Mute buzzer beep only on battery discharged status Generator as AC input Wide AC input range	
Response: ^DO Data a bbb ccc -P004PLE<-r> Response: D Data a ^S005LONn <c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data m</c>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable A B C D E F</cr></crc></cr></cr></crc></cr></er></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode Mute buzzer beep only on battery discharged status Generator as AC input	
Response: ^DO Data a bbb ccc -P004PLE<-r> Response: D Data a ^S005LONn <c ^0="" ^1="" ^1<0="" ^s004pmn<cr="" data="" n="" response:=""> Response: ^1<0 Data m</c>	查询自动根据功率调整PF参数(仅用于VDE4105) 12a,bbb,ccc <crc><cr> Description Enable/Disable function Start power percentage of auto-adjusting Minmum PF value when power percentage reach 100% : Query allow one of S & T phase loss enable/disable st 查询允许S或T相丢失使能项(仅用于单机机型) 004a<crc><er> Description Enable/Disable function Set commands rr: Set enable/disable machine supply power to the loads 机器带载使能 CRC><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command Refuse command Set enable/disable status CRC><cr> or ^0<crc><cr> Description enable/disable A B C D E B C D E</cr></crc></cr></cr></crc></cr></er></crc></cr></crc>	Remark 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 atus (Only valid for single model) Remark 0: disable 1: enable Remark 0: disable, 1: enable Remark E: enable, D: disable Mute buzzer beep Mute buzzer beep in standby mode Mute buzzer beep only on battery discharged status Generator as AC input Wide AC input range	

^S016DATyymmddhhffss <cr>: Set date time</cr>				
Response: ^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>				
Data	Description	Remark		
уу	Year	y: 0~9		
mm	Month	m: 0~9		
dd	Day	d: 0~9		
hh	Hour	h: 0~9		
ff	Minute	f: 0~9		
SS	Second	s: 0~9		
^1	Accept command			
^0	Refuse command			
	nnn <cr>: Set AC input highest voltage for feeding power 设置最高并网电压</cr>			
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
nnnn	AC input highest voltage	n: 0~9, unit: 0.1V		
^1	Accept command			
^ 0	Refuse command			
10000000				
	nn <cr>: Set AC input lowest voltage for feeding power 设置最低并网电压</cr>			
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	,		
Data	Description	Remark		
nnnn	AC input lowest voltage	n: 0~9, unit: 0.1V		
^1	Accept command			
^ 0	Refuse command			
10000 G 0 YYE				
	nn <cr>: Set AC input highest frequency for feeding power 设置最高并网频率</cr>			
_	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
nnnn	AC input highest frequency	n: 0~9, unit: 0.01Hz		
^1	Accept command			
^ 0	Refuse command			
^S009GOLFnn	nn <cr>: Set AC input lowest frequency for feeding power 设置最低并网频率</cr>			
Pagnonga: A1 <	区且取低升例则华 CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
•		Damada		
Data	Description A.C. in must lawage fragman as	n: 0~9, unit: 0.01Hz		
nnnn ^1	AC input lowest frequency Accept command	11. 0~9, unit: 0.01Hz		
^0	Refuse command			
- 0	Ketuse command			
	nnnn <cr>: Set output max power CRC><er> or ^0<crc><er></er></crc></er></cr>			
Data		Remark		
	Description output may power	n: 0~9, unit: W		
nnnnn	output max power	n: 0~9, unit: w		
<u>^1</u>	Accept command Parties command			
<u>△</u>	Refuse command	<u> </u>		
^S011GPMPnn	^S011GPMPnnnnnn <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			
	^S009SIHVnnnn <cr>: Set Solar input highest voltage 设置最高Solar输入电压</cr>			
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
nnnn	Solar input highest voltage	n: 0~9, unit: 0.1V		
^1	Accept command			
^0	Refuse command			
^S009SILVnnn	^S009SILVnnnn <cr>: Set Solar input lowest voltage</cr>			
设置最低Solar输入电压 Response: ^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>				
Data	Description	Remark		
	Γ΄			

nnnn	Solar input lowest voltage	n: 0~9, unit: 0.1V		
^1	Accept command			
^ 0	Refuse command			
AG0111 (PDELL	C. C. I. I. A. MODELLA			
	^S011MPPTHVnnnn <cr>: Set Solar input highest MPPT voltage 设置最高MPPT电压</cr>			
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
nnnn	Solar input highest MPPT voltage	n: 0~9, unit: 0.1V		
^1	Accept command			
^ 0	Refuse command			
	Vnnnn <cr>: Set Solar input lowest MPPT voltage 设置最低MPPT电压</cr>			
•	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			
	cr>: Set LCD sleep wait time 设置LCD休眠等待时间 CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
nn	LCD sleep wait time	nn: 00, 01, 02, 10, 20 for selection, unit : 30second. 00 means LCD always light		
^1	Accept command			
^0	Refuse command			
	Cnnnn <cr>: Set battery maximum charge current 设置电池最大充电电流 CRC><cr> or ^0<crc><cr></cr></crc></cr></cr>			
Data	Description	Remark		
nnnn	Battery maximum charge current	n: 0~9, unit: 0.1A		
^1	Accept command			
^0	Refuse command			
	/mmmm,nnnn <cr>: Set battery maximum charge voltage 设置电池最大充电电压</cr>			
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
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			
^S010GLTHVnnnn <cr>: Set AC input long-time highest average voltage 设置AC输入长时间过压点</cr>				
•	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	n L		
Data	Description	Remark		
nnnn	AC input long-time highest average voltage	n: 0~9, unit: 0.1V		
^1	Accept command	+		
^0	Refuse command	1		
^S025BATDVaaaa,bbbb,cccc,dddd <cr>: Set battery discharge voltage 设置电池放电相关电压点</cr>				
Response: ^1<	CRC> <cr> or ^0<crc><cr></cr></crc></cr>			
Data	Description	Remark		
aaaa	Battery under voltage	n: 0~9, unit: 0.1V		
bbbb	Battery under back voltage	n: 0~9, unit: 0.1V		
cccc	Battery weak voltage in hybrid mode	n: 0~9, unit: 0.1V		
dddd	Battery weak back voltage in hybrid mode	n: 0~9, unit: 0.1V		
^1	Accept command			
^ 0	Refuse command			
^S006SEPnn <cr>: Set Solar energy distribution of priority 设置Solar能量分配优先级</cr>				
	Response: ^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Response: ^1< Data	CRC> <cr> or ^0<crc><cr> Description</cr></crc></cr>	Remark		

	·	_
		00: Battery-Load-Grid
nn	Solar energy distribution of priority	01: Load-Battery-Grid
		02: Load-Grid-Battery
^1	Accept command	
^0	Refuse command	
	•	•
^S005EDmn<	cr>: Set energy distribution	
	设置能量分配	
Response: ^1<	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
m	A	Enable/disable solar charge battery
	В	Enable/disable AC charge battery
	С	Enable/disable feed power to utility
		Enable/disable battery discharge to loads when solar input
	D	normal
	E	Enable/disable battery discharge to loads when solar input
	L	Enchle/dischle hettemy discharge to food never to willty when
	F	Enable/disable battery discharge to feed power to utility when solar input normal
		_
	G	Enable/disable battery discharge to feed power to utility when
		solar input loss
	н	Reserved
n	Enable/disable	1: enable, 0: disable
^1	Accept command	
^ 0	Refuse command	
^S017BCAaaa	aa,bbb,cccc <cr>: Set battery charger application in floating charging</cr>	
	设置浮充状态下电池充电器相关应用	
Response: ^1<	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
aaaa	Battery stop charger current level in floating charging	a: 0~9, unit: 0.1A, range: 0~500
aaaa	浮充状态下电池停止充电的电流点	a. 0-9, unit. 0.174, range. 0-300
bbb	Keep charged time of battery catch stop charger current level	b: 0~9, unit: Minute, range: 0~999
	电池达到停充电电流点后关闭充电器的等待时间	o. o o, unit. Minute, range. o ooo
	Battery voltage of recover to charge when battery stop charger in	
cccc	floating charging	c: 0~9, unit: 0.1V, range: 400~600
	浮充状态下关闭充电器后电池重复充电的电压点	
^1	Accept command	
^1 ^0		
^0	Accept command Refuse command	
^0 ^S006DMnnn	Accept command Refuse command <cr>: Set machine model</cr>	
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr>	
^0 ^S006DMnnn	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description</cr></crc></cr></crc></cr>	Remark
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr>	Hybrid type VDE certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description</cr></crc></cr></crc></cr>	
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description 050</cr></crc></cr></crc></cr>	Hybrid type VDE certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description 050 051</cr></crc></cr></crc></cr>	Hybrid type VDE certification Hybrid type AS4777 certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description 050 051 052</cr></crc></cr></crc></cr>	Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description 050 051 052 053</cr></crc></cr></crc></cr>	Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <cr>: Set machine model <crc><cr> or ^0<crc><cr> Description 050 051 052 053 054 055</cr></crc></cr></crc></cr>	Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command CCRC> <cr> Set machine model CCRC><cr> or ^0<crc><cr> Description 050 051 052 053 054 055 056</cr></crc></cr></cr>	Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification Hybrid type USH certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command <a #"="" href="https://www.new.new.new.new.new.new.new.new.new.</td><td>Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification Hybrid type USH certification Hybrid type USL certification</td></tr><tr><td>^0 ^S006DMnnn Response: ^1<</td><td>Accept command Refuse command CCRC><cr> Set machine model CCRC><cr> or ^0<CRC><cr> Description 050 051 052 053 054 055 056 057 058</td><td>Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification Hybrid type USH certification Hybrid type USL certification Hybrid type VDE4105 certification</td></tr><tr><td>^0 ^S006DMnnn Response: ^1<</td><td>Accept command Refuse command Refuse command <a href<="" td=""><td>Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification Hybrid type USH certification Hybrid type USL certification Hybrid type VDE4105 certification Hybrid type Korea certification</td>	Hybrid type VDE certification Hybrid type AS4777 certification Hybrid type DK certification Hybrid type RD1663 certification Hybrid type G83 certification Hybrid type Taiwan certification Hybrid type USH certification Hybrid type USL certification Hybrid type VDE4105 certification Hybrid type Korea certification
^0 ^S006DMnnn Response: ^1<	Accept command Refuse command	

^0	Refuse command	
^S003PF <cr>: Set changeable parameter restore to default value</cr>		
	恢复默认值 CDC	
Response: ^1<	CRC> <cr> or ^0<crc><cr> Description</cr></crc></cr>	Remark
^1	Accept command	Remark
^ 0	Refuse command	
AGOO AEGO		
	: Set AC output frequency to be 50Hz CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
^1	Accept command	
^ 0	Refuse command	
^S004F60 <cr></cr>	: Set AC output frequency to be 60Hz	
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
^1 ^0	Accept command Refuse command	
70	Refuse command	
^S006Vnnnn<	cr>: Set AC output rated voltage	
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnnn ^1	voltage Accept command	unit: 0.1V, nnnn: 2020,2080, 2200, 2300, 2400
^0	Refuse command	
^S006FTnnn<	cr>: Set wait time for feed power 设置并网等待时间	
Response: ^1<	区且开州守付时间 CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
nnn	Wait time	n: 0~9, unit: second
^1	Accept command	
^()	Refuse command	
^S014ACCTaa	aa,bbbb <cr>: Set AC charge time bucket</cr>	
Dagmana, A1	设置允许AC充电时间段	
Data	CRC> <cr> or ^0<crc><cr> Description</cr></crc></cr>	Remark
aaaa	Start time for enable AC charger working	aaaa: HH:MM(hour : minute)
bbbb	Ending time for enable AC charger working	bbbb: HH:MM(hour : minute)
^1	Accept command	
^0	Refuse command	
^S014ACLTaa	aa,bbbb <cr>: Set AC supply load time bucket</cr>	
D 41	设置允许AC带载时间段	
Response: ^1<	CRC> <cr> or ^0<crc><cr> Description</cr></crc></cr>	Remark
aaaa	Start time for enable AC supply the load	aaaa: HH:MM(hour : minute)
bbbb	Ending time for enable AC supply the load	bbbb: HH:MM(hour : minute)
^1	Accept command	
^0	Refuse command	<u> </u>
^S004BTn <cr></cr>	: Set battery type	
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	
Data	Description	Remark
n ^1	Battery type	0: Ordinary, 1: Li-Fe
^0	LAccent command	
Toruse command		
	Accept command Refuse command	
^S016BITyym	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间</cr>	
^S016BITyymi	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr></cr></crc></cr></cr>	
^S016BITyymi Response: ^1< Data	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr> Description</cr></crc></cr></cr>	Remark
^S016BITyymi Response: ^1 Data yy	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr> Description Year</cr></crc></cr></cr>	y: 0~9
^S016BITyymi Response: ^1< Data	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr> Description</cr></crc></cr></cr>	
^S016BITyymi Response: ^1< Data yy mm dd hh	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr> Description Year Month Day Hour</cr></crc></cr></cr>	y: 0~9 m: 0~9 d: 0~9 h: 0~9
^S016BITyymi Response: ^1< Data yy mm	Refuse command mddhhffss <cr>: Set battery install time 设置电池安装时间 CRC><cr> or ^0<crc><cr> Description Year Month Day</cr></crc></cr></cr>	y: 0~9 m: 0~9 d: 0~9

^1	Accept command			
^0	Refuse command			
^S009BST <cr>: Li-Fe battery self-test by charged at a time 充电激活锂电池</cr>				
	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description	Remark		
^1	Accept command			
^0	Refuse command			
ACO16ACCD	a blable const. A C alcourage beauty bettermined to accepting			
	a,bbbb< <cr>: AC charger keep battery voltage setting AC充电器保持电池电压设置</cr>			
•	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	D 1		
Data	Description AC charger keep battery voltage function enable/diable	Remark 0: disable, 1: enable		
a bbbb	AC charger keep battery voltage function enable/diable	b: 0~9, unit: 0.1V, range: 400~600		
^1	Accept command	b. 0~3, tilit. 0.1 v, lange. 400~000		
^0	Refuse command			
	TOTAL COMMISSION			
^S007BTSnn	n <cr>: Battery temperature sensor compensation 电池温度补偿</cr>			
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description	Remark		
nnn	Compensation voltage	n: 0~9, unit: 0.1mV, range: 0~100		
^1	Accept command	, , , , , , , , , , , , , , , , , , ,		
^0	Refuse command			
	•	•		
	IGCnnnn <cr>: Max. AC charging current from AC 最大市电充电电流</cr>			
	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description	Remark		
nnnn	Max. AC charging current	n: 0~9, unit: 0.1A		
^1	Accept command			
^0	Refuse command			
^S012FPADJ	Jm,nnnn <cr>: Feeding grid power calibration 并网功率校正</cr>			
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description	Remark		
m	Feeding grid derection	0: -, 1: +		
nnnn	Feeding grid calibration power	n: 0~9, unit: 1W, range: 0~1000		
^1	Accept command			
^0	Refuse command			
^S009BDCM	Innnn <cr>: Battery discharge max current in hybrid mode 并网模式下电池最大放电电流</cr>			
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
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</cr>				
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description	Remark		
nnn	Feed-in power factor	11. 0~9, 090~100 fileas +0.90~+1.00, 190~199 filealis -0.90~-		
^1	Accept command			
^ 0	Refuse command			
	^S008PALEn <cr>: Enable/Disable Parallel for output 启动或停止输出并联</cr>			
•	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>			
Data	Description Final la (Disable)	Remark		
n A 1	Enable/Disable	0: disable, 1: enable		
^1	Accept command			
^0	Refuse command			
^S012FPRADJm,nnnn <cr>: R phass Feeding grid power calibration R相并网功率校正</cr>				
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	Response: ^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		

Data	Description	Remark	
	Description Facility a grid description		
m	Feeding grid derection	0: -, 1: +	
nnnn	Feeding grid calibration power	n: 0~9, unit: 1W, range: 0~1000	
^1	Accept command		
^0	Refuse command		
^~~.			
	n, nnnn <cr>: S phass Feeding grid power calibration ————————————————————————————————————</cr>		
Response: 1	\(\cent{CRC}\\cent{cr}\) or \(\cent{0}\\cent{CRC}\\cent{cr}\)		
Data	Description	Remark	
m	Feeding grid derection	0: -, 1: +	
nnnn	Feeding grid calibration power	n: $0^{\circ}9$, unit: $1W$, range: $0^{\circ}1000$	
<u>^1</u>	Accept command		
^ 0	Refuse command		
^S012FPTADJm	n, nnnn <cr>: T phass Feeding grid power calibration T相并网功率校正</cr>		
Response: 1	L <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>		
Data	Description	Remark	
m	Feeding grid derection	0: -, 1: +	
nnnn	Feeding grid calibration power	$n: 0^{\sim}9$, unit: 1W, range: $0^{\sim}1000$	
^1	Accept command	in o o, direct the realization of root	
^0	Refuse command		
^S014AAPFa,bbb,ccc <cr>: Auto-adjust PF with power (Only valid for VDE4105) 自动根据功率调整PF(仅用于VDE4105)</cr>			
•	CCRC> <cr> or ^0<crc><cr></cr></crc></cr>	Power de	
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	
^1	Accept command		
^ 0	Refuse command		
	^S005PLEn <cr>: enable/disable allow one of S & T phase loss(Only valid for single and model) 使能/不使能允许S&T相其中一相丢失(仅用于单机10KW机型)</cr>		
	CCRC> <cr> or ^0<crc><cr></cr></crc></cr>		
Data	Description	Remark	
n	Enable/Disable function	0: disable 1: enable	
^1	Accept command		
^0	Refuse command		
^S015EPSa,bbbb,cccc <cr>: Emergency power supply control(Only valid for 5KW model) 应急电源控制(仅用于5KW机型)</cr>			
Response: ^1<	cCRC> <cr> or ^0<crc><cr></cr></crc></cr>		
Data	Description	Remark	
a	Enable/Disable function	0: disable 1: enable When enable and inverter works in battery mode, if battery voltage drop down to bbbb, it will cut-off main output and remain EPS output. When battery voltage comes back to cccc, it will connect main output again.	
bbbb	Battery voltage of cut-off Main output in battery mode	b: 0~9, unit: 0.1V, range: 0400~0600	
cccc	Battery voltage of re-connecting Main output in battery mode	c: 0~9, unit: 0.1V, range: 0400~0600	
^1	Accept command	·	
^0	Refuse command		
	•	•	