SEC Command Format			
^TnnnXXXX,	XXXX,XXXX,, <crc><cr></cr></crc>		
Character	Description	Remark	
^	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.	
<crc></crc>	Two byte of CRC result, the first byte is high 8 bits, second byte is low 8 bits.		
		•	
ADOOGDI (CD.C	Query commands		
	C> <cr>: Query protocol ID 00518<crc><cr></cr></crc></cr>		
Response. *Do	00316 <crc>&lt;01&gt;</crc>		
^P004T <crc< td=""><td>&gt;<cr>: Query current time</cr></td><td></td></crc<>	> <cr>: Query current time</cr>		
	017YYYMMDDHHFFSS <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:			
^D017201602	14201314 means the time of 2016-02-14, 20: 13: 14		
^P005ET <cr< td=""><td>C&gt;<cr>: Query total generated energy 查询总发电量</cr></td><td></td></cr<>	C> <cr>: Query total generated energy 查询总发电量</cr>		
Response: ^D	011NNNNNNNNCRC> <cr></cr>		
Data	Description	Remark	
NNNNNNN	Generated energy	N: 0~9, unit: KWh	
	<crc><cr>: Query generated energy of year 查询年发电量</cr></crc>		
	011NNNNNNNNCRC> <cr></cr>		
Data	Description	Remark	
уууу	Year	y: 0~9	
	Generated energy	N: 0~9, unit: KWh	
	/mm <cr>: Query generated energy of month 查询月发电量</cr>		
	011NNNNNNNNCRC> <cr></cr>		
Data	Description	Remark	
уууу	Year	y: 0~9	
mm	Month	m: 0~9	
	Generated energy	N: 0~9, unit: KWh	
	mmdd <cr>: Query generated energy of day 查询天发电量</cr>		
	011NNNNNN <crc><cr></cr></crc>	D 1	
Data	Description	Remark	
уууу	Year	y: 0~9	
mm	Month	m: 0~9	
dd NNNNNNNN	Day Generated energy	d: 0~9	
TUTATATATATATA	Generated energy	N: 0~9, unit: Wh	
^P005ID <cr(< td=""><td>C&gt;<cr>: Query series number</cr></td><td></td></cr(<>	C> <cr>: Query series number</cr>		
	025LLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
	t X totally. LL: the available number of X.		
	251401234567890123456789 CRC> <cr>, it meas ID is 01234567890</cr>	0123.	
	,		
^P006VFW <crc><cr>: Query CPU version</cr></crc>			
Response: ^D(	)20aaaaa,bbbbb,ccccc <crc><cr></cr></crc>		
Data	Description	Remark	
aaaaa	Main CPU version		
bbbbb	Slave 1 CPU version		
cccc	Slave 2 CPU version		
	RC> <cr>: Query rated information</cr>		
•	085AAAA,BBB,CCCC,DDD,EEE,FFFF,GGGG,HHH,III,JJJ,KKK,LL		
Data	Description	Remark	
AAAA	AC input rating voltage	A: 0~9, unit: 0.1V	

BBB	AC input rating current	B: 0~9, unit: 0.1A
CCCC	AC output rating voltage	C: 0~9, unit: 0.1V
DDD	AC output rating frequency	D: 0~9, unit: 0.1Hz
EEE	AC output rating current	E: 0~9, unit: 0.1A
FFFF	AC output rating apparent power	F: 0~9, unit: VA
GGGG	AC output rating active power	G: 0~9, unit: W
ННН	Battery rating voltage	H: 0~9, unit: 0.1V
III	Battery re-charge voltage	I: 0~9, unit: 0.1V
JJJ	Battery re-discharge voltage	J: 0~9, unit: 0.1V
KKK	Battery under voltage	K: 0~9, unit: 0.1V
LLL	Battery bulk voltage	L: 0~9, unit: 0.1V
MMM	Battery float voltage	M: 0~9, unit: 0.1V
N	Battery type	N: 0: AGM, 1: Flooded, 2: User
OO	Max AC charging current	O: 0~9, unit: A
PPP	Max charging current	P: 0~9, unit: A
Q	Input voltage range	0: Appliance, 1: UPS
R	Output source priority	0: Solar-Utility-Battery, 1: Solar-Battery-Utility
S	Charger source priority	0: Solar first, 1: Solar and Utility, 2: Only solar
T	Parallel max num	T: 0~9
U	Machine type	0: Off-grid Tie, 1: Grid-Tie
V	Topology	0: transformerless, 1: transformer
W	Output model setting	output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase
Z	Solar power priority	0: Battery-Load-Utility, 1: Load-Battery-Utility
a	MPPT string	a: 0~9

## ^P005GS<CRC><cr>: Query general status

Response: ^D106AAAA,BBB,CCCC,DDD,EEEE,FFFF,GGG,HHH,III,JJJ,KKK,LLL, MMM,NNN,OOO,PPP,QQQQ,RRRR,SSSS,TTTT,U,V,W,X,Y,Z,a,b<CRC><cr>

Data	Description	Remark
AAAA	Grid voltage	A: 0~9, unit: 0.1V
BBB	Grid frequency	B: 0~9, unit: 0.1Hz
CCCC	AC output voltage	C: 0~9, unit: 0.1V
DDD	AC output frequency	D: 0~9, unit: 0.1Hz
EEEE	AC output apparent power	E: 0~9, unit: VA
FFFF	AC output active power	F: 0~9, unit: W
GGG	Output load percent	G: 0~9, unit: %
ННН	Battery voltage	H: 0~9, unit: 0.1V
III	Battery voltage from SCC	I: 0~9, unit: 0.1V
JJJ	Battery voltage from SCC2	J: 0~9, unit: 0.1V
KKK	Battery discharge current	K: 0~9, unit: A
LLL	Battery charging current	L: 0~9, unit: A
MMM	Battery capacity	M: 0~9, unit: %
NNN	Inverter heat sink temperature	N: 0~9, unit: °C
000	MPPT1 charger temperature	O: 0~9, unit: °C
PPP	MPPT2 charger temperature	P: 0~9, unit: °C
QQQQ	PV1 Input power	Q: 0~9, unit: W
RRRR	PV2 Input power	R: 0~9, unit: W
SSSS	PV1 Input voltage	S: 0~9, unit: 0.1V
TTTT	PV2 Input voltage	S: 0~9, unit: 0.1V
U	Setting value configuration state	0: Nothing changed, 1: Something changed
V	MPPT1 charger status	0: abnormal, 1: normal but not charged, 2: charging
W	MPPT2 charger status	0: abnormal, 1: normal but not charged, 2: charging
X	Load connection	0: disconnect, 1: connect
Y	Battery power direction	0: donothing, 1: charge, 2: discharge
Z	DC/AC power direction	0: donothing, 1: AC-DC, 2: DC-AC
a	Line power direction	0: donothing, 1: input, 2: output
b	Local parallel ID	a: 0~(parallel number - 1)

## ^P006MOD<CRC><cr>: Query working mode

Response: ^D005XX<CRC><cr>

Data	Description	Remark
	0	Power on mode
	1	Standby mode
XX	2	Bypass mode
ΛΛ	3	Battery mode
	4	Fault mode
	5	Hybrid mode(Line mode, Grid mode)

## ^P005FWS<CRC><cr>: Query fault and warning status

^D034AA,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q<CRC><cr>

Data	Description	Remark
AA	Fault code	
В	Line fail	
С	Output circuit short	
D	Inverter over temperature	
Е	Fan lock	
F	Battery voltage high	
G	Battery low	
H	Battery under Over load	
T T	Eeprom fail	
K	Power limit	
L	PV1 voltage high	
M	PV2 voltage high	
N	MPPT1 overload warning	
O	MPPT2 overload warning	
P	Battery too low to charge for SCC1	
Q	Battery too low to charge for SCC2	
Fault code list		
1	Fan is locked	
2	Over temperature	
3	Battery voltage is too high	<u> </u>
4	Battery voltage is too low	
6	Output short circuited or Over temperature Output voltage is too high	
7	Over load time out	
8	Bus voltage is too high	
9	Bus soft start failed	
11	Main relay failed	
51	Over current inverter	
52	Bus soft start failed	
53	Inverter soft start failed	
54	Self-test failed	
55	Over DC voltage on output of inverter	
56	Battery connection is open	
57	Current sensor failed	
58 60	Output voltage is too low	
71	Inverter negative power Parallel version different	
72	Output circuit failed	
80	CAN communication failed	
81	Parallel host line lost	
82	Parallel synchronized signal lost	
83	Parallel battery voltage detect different	
84	Parallel Line voltage or frequency detect different	
85	Parallel Line input current unbalanced	
86	Parallel output setting different	
	CRC> <cr>: Query enable/disable flag status</cr>	
	20A,B,C,D,E,F,G,H,I <crc><cr></cr></crc>	D
Data A	Description Enable/disable silence buzzer or open buzzer	Remark A: 0/1, 0: disable, 1: enable
A B	*	B: 0/1, 0: disable, 1: enable  B: 0/1, 0: disable, 1: enable
C	Enable/Disable overload bypass function Enable/Disable LCD display escape to default page after 111111	C: 0/1, 0: disable, 1: enable
D	Enable/Disable overload restart	D: 0/1, 0: disable, 1: enable
E	Enable/Disable over temperature restart	E: 0/1, 0: disable, 1: enable
F	Enable/Disable backlight on	F: 0/1, 0: disable, 1: enable
G	Enable/Disable alarm on when primary source interrupt	G: 0/1, 0: disable, 1: enable
Н	Enable/Disable fault code record	H: 0/1, 0: disable, 1: enable
I	Reserved	
	cr>: Query default value of changeable parameter	
	68AAAA,BBB,C,DDD,EEE,FFF,GGG,HHH,III,JJ,K,L,M,N,O,P,S,T	
Data	Description A.C. autout valtage	Remark
AAAA	AC output fraguency	A: 0~9, unit: 0.1V
BBB C	AC output frequency AC input voltage range	B: 0~9, unit: 0.1Hz 0: Appliance, 1: UPS
DDD	Battery Under voltage	D: 0~9, unit: 0.1V
EEE	Charging float voltage	E: 0~9, unit: 0.1V
FFF	Charging hoat voltage Charging bulk voltage	F: 0~9, unit: 0.1V
GGG	Battery default re-charge voltage	G: 0~9, unit: 0.1V
ННН	Battery re-discharge voltage	H: 0~9, unit: 0.1V
	,	

III	N	
	Max charging current	I: 0~9, unit: A
JJ	Max AC charging current	J: 0~9, unit: A
K	Battery type	N: 0: AGM, 1: Flooded, 2: User
L	Output source priority	0: Solar-Utility-Battery, 1: Solar-Battery-Utility
M	Charger source priority	0: Solar first, 1: Solar and Utility, 2: Only solar
N	Solar power priority	0: Battery-Load-Utility, 1: Load-Battery-Utility
О	Machine type	0: Off-grid Tie, 1: Grid-Tie 0: Single module, 1: paranel output, 2: Phase 1 of three phase
P	Output model setting	output,
	, , , , , , , , , , , , , , , , , , ,	2. Phase 2 of three phase output 1. Phase 2 of three phase
<u>S</u>	Enable/disable silence buzzer or open buzzer	0: disable, 1: enable
T	Enable/Disable overload restart	0: disable, 1: enable
U	Enable/Disable over temperature restart	0: disable, 1: enable
V	Enable/Disable LCD backlight on	0: disable, 1: enable
W	Enable/Disable alarm on when primary source interrupt	0: disable, 1: enable
X	Enable/Disable fault code record	0: disable, 1: enable
Y	Enable/Disable overload bypass Enable/Disable LCD display escape to default page after Thim	0: disable, 1: enable
Z	timeout	0: disable, 1: enable
ADOOON CHICA	D.CDC O M 1	
	R <crc><cr>: Query Max. charging current selectable value</cr></crc>	
	30AAA,BBB,CCC,DDD,EEE,FFF,GGG <crc><cr></cr></crc>	
Data	Description	Remark
AAA	Max. charging current selectable value	A: 0~9, unit: A
BBB	Max. charging current selectable value	B: 0~9, unit: A
CCC	Max. charging current selectable value	C: 0~9, unit: A
DDD	Max. charging current selectable value	D: 0~9, unit: A
EEE	Max. charging current selectable value	E: 0~9, unit: A
FFF	Max. charging current selectable value	F: 0~9, unit: A
GGG	Max. charging current selectable value	G: 0~9, unit: A
ADO10MUCHC	CR <crc><cr>: Query Max. AC charging current selectable value</cr></crc>	
	30AAA,BBB,CCC,DDD,EEE,FFF,GGG <crc><cr></cr></crc>	
Data	Description	Remark
AAA	Max. charging current selectable value	A: 0~9, unit: A
BBB	Max. charging current selectable value	B: 0~9, unit: A
ССС	Max. charging current selectable value	C: 0~9, unit: A
DDD	Max. charging current selectable value	D: 0~9, unit: A
EEE	Max. charging current selectable value	E: 0~9, unit: A
FFF	Max. charging current selectable value	F: 0~9, unit: A
GGG	Max. charging current selectable value	G: 0~9, unit: A
000	wax. Charging current selectable value	G. 0~3, unit. A
^P007PRIn <cf< td=""><td>RC&gt;<cr>: Query different rated information of parallel system</cr></td><td></td></cf<>	RC> <cr>: Query different rated information of parallel system</cr>	
	39A,BB,CCCCCCCCCCCCCCCCC,D,EEE,FF,G <crc><cr></cr></crc>	·
IResponse: ^D0		
	Description	Remark
Data	Description Parallel system ID	n: 0~(Parallel number - 1)
Data n	Parallel system ID	n: 0~(Parallel number - 1)
Data n A	Parallel system ID Parallel ID connection status	n: 0~(Parallel number - 1) 0: Not existent, 1: existent
Data n A BB	Parallel system ID Parallel ID connection status Serial Number valid length	n: 0~(Parallel number - 1)
Data n A BB CCCCCCCC	Parallel system ID Parallel ID connection status Serial Number valid length	n: 0~(Parallel number - 1) 0: Not existent, 1: existent B: 0~9
Data n A BB CCCCCCCC CCCCCCC	Parallel system ID Parallel ID connection status Serial Number valid length	n: 0~(Parallel number - 1) 0: Not existent, 1: existent
Data n A BB CCCCCCCC CCCCCCC	Parallel system ID Parallel ID connection status Serial Number valid length Serial Number	n: 0~(Parallel number - 1) 0: Not existent, 1: existent B: 0~9 C: 0~9
Data n A BB CCCCCCCC CCCCCCC CC	Parallel system ID Parallel ID connection status Serial Number valid length Serial Number Charging source priority	n: 0~(Parallel number - 1) 0: Not existent, 1: existent B: 0~9 C: 0~9 0: Solar first, 1: Solar and Utility, 2: Only solar
Data n A BB CCCCCCCC CCCCCCC CC D EEEE	Parallel system ID Parallel ID connection status Serial Number valid length Serial Number Charging source priority Max. charging current	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A
Data  n A BB CCCCCCCC CCCCCC CC D EEE FF	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority  Max. charging current  Max. AC charging current	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  o: Single module, 1: parallel output, 2: Phase 1 of three phase
Data n A BB CCCCCCCC CCCCCCC CC D EEEE	Parallel system ID Parallel ID connection status Serial Number valid length Serial Number Charging source priority Max. charging current	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,
Data  n A BB CCCCCCCC CCCCCC CC D EEE FF	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority  Max. charging current  Max. AC charging current	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  o: Single module, 1: parallel output, 2: Phase 1 of three phase
Data n A BB CCCCCCCC CCCCCC CC D EEE FF	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority  Max. charging current  Max. AC charging current	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,
Data n A BB CCCCCCCCC CCCCCCC CC D EEE FF G	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 2 of three phase
Data  n A BB CCCCCCCC CC CC CC D EEE FF G ^P007PGSn <c ^d1<="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting</td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase
Data  n A BB CCCCCCCCC CCCCCCC CC D EEE FF G ^P007PGSn <c ^d1="" mmm,nnn,o<="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current  Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output. 4: Phase 3 of three phase</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current  Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output. 4: Phase 3 of three phase
Data  n A BB CCCCCCCC CCCCCCC CC D EEE FF G ^P007PGSn <c ^d1="" data<="" mmm,nnn,o="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current  Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current  Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase
Data  n A BB CCCCCCCC CC CCCCCCC CC D EEE FF G ^P007PGSn <c ^d1="" data="" mmm,nnn,o="" n<="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority  Max. charging current  Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTTT,UUUU,V,W,X,Y,Z,a,bbl  Description  Parallel system ID</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  o, CCCC&gt;<cr> Remark  n: 0~(Parallel number - 1)</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority  Max. charging current  Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTTT,UUUU,V,W,X,Y,Z,a,bbl  Description  Parallel system ID</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  o, CCCC> <cr> Remark  n: 0~(Parallel number - 1)</cr>
Data  n A BB CCCCCCCC CC CC CC D EEE FF G ^P007PGSn <c ^d1="" a<="" data="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase
Data n A BB CCCCCCCC CC CC CC D EEE FF G ^P007PGSn <c ^d1="" a="" b<="" data="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  o, CCCC&gt;<cr> Remark  n: 0~(Parallel number - 1)</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  o, CCCC> <cr> Remark  n: 0~(Parallel number - 1)</cr>
Data  n A BB CCCCCCCC CC CC CC D EEE FF G ^P007PGSn <c ^d1="" a="" b="" cc<="" data="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status  Work mode Fault code</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  over CRC&gt;<cr> Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status  Work mode Fault code</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  over CRC> <cr> Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent</cr>
Data  n A BB CCCCCCCC CC CC D EEE FF G ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paranel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase  c, c)  CRC&gt;<cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paranel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase  c, c)  CRC> <cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V</cr>
Data  n A BB CCCCCCCC CC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paramet output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  (c) CRC&gt;<cr> Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paramet output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  (c) CRC> <cr> Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz</cr>
Data  n A BB CCCCCCCC CC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage</cr></td><td>n: 0~(Parallel number - 1) 0: Not existent, 1: existent B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar E: 0~9, unit: A F: 0~9, unit: A O: Single module, 1: paraner output, 2: Phase 1 of three phase output, 2: Phase 2 of three phase output, 4: Phase 3 of three phase  overland  o: CRC&gt;<cr> Remark n: 0~(Parallel number - 1) 0: Not existent, 1: existent  D: 0~9, unit: 0.1V E: 0~9, unit: 0.1Hz F: 0~9, unit: 0.1V</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage</cr>	n: 0~(Parallel number - 1) 0: Not existent, 1: existent B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar E: 0~9, unit: A F: 0~9, unit: A O: Single module, 1: paraner output, 2: Phase 1 of three phase output, 2: Phase 2 of three phase output, 4: Phase 3 of three phase  overland  o: CRC> <cr> Remark n: 0~(Parallel number - 1) 0: Not existent, 1: existent  D: 0~9, unit: 0.1V E: 0~9, unit: 0.1Hz F: 0~9, unit: 0.1V</cr>
Data  n A BB CCCCCCCC CC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff="" gg="" gggg<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  0: Single module, 1: paraner output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output 4: Phase 3 of three phase  (**, **) CRC&gt;<cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1V  G: 0~9, unit: 0.1Hz</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  0: Single module, 1: paraner output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output 4: Phase 3 of three phase  (**, **) CRC> <cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1V  G: 0~9, unit: 0.1Hz</cr>
Data  n A BB CCCCCCCC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff="" ggg="" hhhhh<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  o: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase output,  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz  F: 0~9, unit: 0.1Hz  H: 0~9, unit: VA</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  o: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase output,  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz  F: 0~9, unit: 0.1Hz  H: 0~9, unit: VA
Data  n A BB CCCCCCCC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff="" gggg="" hhhh="" iiii<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power AC output active power</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  over the second of three phase output, 4: Phase 3 of three phase  over the second output, 4: Phase 3 of three p</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power AC output active power</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output, 4: Phase 3 of three phase  over the second of three phase output, 4: Phase 3 of three phase  over the second output, 4: Phase 3 of three p
Data  n A BB CCCCCCCC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff="" ggg="" hhhh="" iiii<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC&gt;<cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl  Description Parallel system ID  Parallel ID connection status  Work mode  Fault code  Grid voltage  Grid frequency  AC output voltage  AC output trequency  AC output apparent power  AC output active power  Total AC output apparent power</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase  **CCRC&gt;<cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz  F: 0~9, unit: 0.1Hz  H: 0~9, unit: VA  I: 0~9, unit: W  J: 0~9, unit: VA</cr></td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current  Output model setting  RC> <cr>: Query general status of parallel system  13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL  OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl  Description Parallel system ID  Parallel ID connection status  Work mode  Fault code  Grid voltage  Grid frequency  AC output voltage  AC output trequency  AC output apparent power  AC output active power  Total AC output apparent power</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: parallel output, 2: Phase 1 of three phase output,  3: Phase 2 of three phase output, 4: Phase 3 of three phase  **CCRC> <cr>  Remark  n: 0~(Parallel number - 1)  0: Not existent, 1: existent  D: 0~9, unit: 0.1V  E: 0~9, unit: 0.1Hz  F: 0~9, unit: 0.1Hz  H: 0~9, unit: VA  I: 0~9, unit: W  J: 0~9, unit: VA</cr>
Data  n A BB CCCCCCCC CC CC D EEE FF G  ^P007PGSn <c ^d1="" a="" b="" cc="" data="" dddd="" eee="" ffff="" gggg="" hhhh="" iiii<="" mmm,nnn,o="" n="" response:="" td=""><td>Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current Output model setting  RC&gt;<cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power AC output active power</cr></td><td>n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paramer output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the s</td></c>	Parallel system ID Parallel ID connection status Serial Number valid length  Serial Number  Charging source priority Max. charging current Max. AC charging current Output model setting  RC> <cr>: Query general status of parallel system 13A,B,CC,DDDD,EEE,FFFF,GGG,HHHH,IIII,JJJJ,KKKKK,LLL OO,PPP,QQQ,MMM,RRRR,SSSS,TTTT,UUUU,V,W,X,Y,Z,a,bbl Description Parallel system ID Parallel ID connection status Work mode Fault code Grid voltage Grid frequency AC output voltage AC output frequency AC output apparent power AC output active power</cr>	n: 0~(Parallel number - 1)  0: Not existent, 1: existent  B: 0~9  C: 0~9  C: 0~9  0: Solar first, 1: Solar and Utility, 2: Only solar  E: 0~9, unit: A  F: 0~9, unit: A  O: Single module, 1: paramer output, 2: Phase 1 of three phase output,  2: Phase 2 of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the solution of three phase output. 4: Phase 3 of three phase  over the s

		M: 0~9, unit: %
MMM	Total output load percent	·
NNN	Battery voltage	N: 0~9, unit: 0.1V
000	Battery discharge current	O: 0~9, unit: A
PPP	Battery charging current	P: 0~9, unit: A
QQQ	Total battery charging current	Q: 0~9, unit: A
MMM	Battery capacity	M: 0~9, unit: %
RRRR	PV1 Input power	R: 0~9, unit: W
SSSS	PV2 Input power	S: 0~9, unit: W
TTTT	PV1 Input voltage	T: 0~9, unit: 0.1V
UUUU	PV2 Input voltage	U: 0~9, unit: 0.1V
V	MPPT1 charger status	0: abnormal, 1: normal but not charged, 2: charging
W	MPPT2 charger status	0: abnormal, 1: normal but not charged, 2: charging
X	Load connection	0: disconnect, 1: connect
		· · · · · · · · · · · · · · · · · · ·
<u>Y</u>	Battery power direction	0: donothing, 1: charge, 2: discharge
Z	DC/AC power direction	0: donothing, 1: AC-DC, 2: DC-AC
a	Line power direction	0: donothing, 1: input, 2: output
bbb	Max. Temperature	b:0~9, unit: oC
^P005ACC	T <crc><cr>: Query AC charge time bucket</cr></crc>	
查询允许A	AC充电时间段	
Response:	^D012AAAA,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)
מממט	Ending time for enable AC charger working	DDDD, HH,WIWI(HOUL, HIIIIUUE)
ADOOF A CI	T O	
	T <cr>: Query AC supply load time bucket</cr>	
	C带载时间段	
	D012AAAA, 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)
Response:	In <crc><cr>: Set enable/disable machine supply power of the control of the contro</cr></crc>	to the loads  Remark
Response: 'Data	^1 <crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Response: / Data n ^1	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command</cr></crc></cr></crc>	Remark
Response: 'Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable</cr></crc></cr></crc>	Remark
Response: / Data n ^1 ^0	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command</cr></crc></cr></crc>	Remark
Response: / Data n ^1 ^0	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command</cr></crc></cr></crc>	Remark
Response: AData n ^1 ^0 ^S006Pmn-	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command</cr></crc></cr></crc>	Remark
Response: / Data n ^1 ^0 ^S006Pmn- Response: /	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command </cr></crc><cr>: Set enable/disable status</cr></cr></crc>	Remark
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  0: disable, 1: enable  Remark
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable enable/disable</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  </cr></crc></cr></crc>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable enable/disable</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <a href="https://www.ccc.nc/">CRC&gt;<cr> Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C</cr></crc></cr></crc></cr></a></cr></crc></cr></crc>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable  Silence buzzer or open buzzer  Overload bypass function  LCD display escape to default page after 1min timeout  Overload restart
Response: / Data n ^1 ^0 ^S006Pmn- Response: /	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <a href="https://www.ccc.nc/">CRC&gt;<cr> Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C</cr></crc></cr></crc></cr></a></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable  Silence buzzer or open buzzer  Overload bypass function  LCD display escape to default page after 1min timeout  Overload restart  Over temperature restart
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable  Silence buzzer or open buzzer  Overload bypass function  LCD display escape to default page after 1min timeout  Overload restart
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable  Silence buzzer or open buzzer  Overload bypass function  LCD display escape to default page after 1min timeout  Overload restart  Over temperature restart
Response: / Data n ^1 ^0 ^S006Pmn- Response: /	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  <crc><cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D E F</cr></crc></cr></crc></cr></crc></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on
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Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  CCRC&gt;<cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D E F G H I</cr></crc></cr></crc></cr></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable  Silence buzzer or open buzzer  Overload bypass function  LCD display escape to default page after 1min timeout  Overload restart  Over temperature restart  Backlight on  Alarm on when primary source interrupt
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  CCRC&gt;<cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable  A B C D E F G H I Accept command</cr></crc></cr></crc></cr></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart  Backlight on Alarm on when primary source interrupt Fault code record
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  CCRC&gt;<cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D E F G H I</cr></crc></cr></crc></cr></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart  Backlight on Alarm on when primary source interrupt Fault code record
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m	^1 <crc><cr> or ^0<crc><cr> Description Enable/disable Accept command Refuse command  CCRC&gt;<cr>: Set enable/disable status ^1<crc><cr> or ^0<crc><cr> Description enable/disable A B C D E F G H I Accept command Refuse command Refuse command Refuse command</cr></crc></cr></crc></cr></cr></crc></cr></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0	Description Enable/disable Accept command Refuse command  CCRC> <cr> Description  CRC&gt;<cr> Set enable/disable status  1<crc><cr> Obscription enable/disable  A B C D E F G H I Accept command Refuse command  Refuse command  CCRC&gt;<cr> Set changeable parameter restore to default variables.</cr></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn-Response: / Data m  ^1 ^0  AS005PF<0 Response: /	Description Enable/disable Accept command Refuse command  CRC> <cr> Description  CRC&gt;<cr> Set enable/disable status  1<crc><cr> Or 0<crc><cr> Description enable/disable  A B C D E F G H I Accept command  Refuse command  Refuse command  CRC&gt;<cr> Set changeable parameter restore to default vand 1<crc><cr> or 0<crc><cr> CRC&gt;<cr> or 0<crc><cr> or 0<crc><c< td=""><td>Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie</td></c<></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></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></crc></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m ^1 ^1 ^0  Colored Response: / Co	Description Enable/disable Accept command Refuse command  CRC> <cr> Description  CRC&gt;<cr> Set enable/disable status A1<crc><cr> Or A0<crc><cr> Description enable/disable  A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  CRC&gt;<cr> Set changeable parameter restore to default variations of the command of the</cr></cr></crc></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^S005PF<0 Response: /	Description Enable/disable Accept command Refuse command  CRC> <cr> Description Enable/disable Accept command Refuse command  CRC&gt;<cr> Set enable/disable status  1<crc><cr> Operation enable/disable A B C D E F G H I Accept command Refuse command Refuse command  CRC&gt;<cr> Set changeable parameter restore to default variations  1<crc><cr> Operation Accept command Accept command Accept command Accept command</cr></crc></cr></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1	Description Enable/disable Accept command Refuse command  CRC> <cr> Description  CRC&gt;<cr> Set enable/disable status A1<crc><cr> Or A0<crc><cr> Description enable/disable  A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  CRC&gt;<cr> Set changeable parameter restore to default variations of the command of the</cr></cr></crc></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1 ^1	Description Enable/disable Accept command Refuse command  CRC> <cr> Description Enable/disable Accept command Refuse command  CRC&gt;<cr> Set enable/disable status  1<crc><cr> Operation enable/disable A B C D E F G H I Accept command Refuse command Refuse command  CRC&gt;<cr> Set changeable parameter restore to default variations  1<crc><cr> Operation Accept command Accept command Accept command Accept command</cr></crc></cr></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0 Asource Asource Asource Data ^1 ^0 Asource Asource Data ^1 ^1 ^0	Description Enable/disable Accept command Refuse command  CRC> <cr> Description Enable/disable Accept command Refuse command  CRC&gt;<cr> Set enable/disable status  1<crc><cr> Operation enable/disable A B C D E F G H I Accept command Refuse command Refuse command  CRC&gt;<cr> Set changeable parameter restore to default variations  1<crc><cr> Operation Accept command Accept command Accept command Accept command</cr></crc></cr></cr></crc></cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0 ^S005PF<0 Response: / Oata ^1 ^0 ^S013MCF	AlcCRC>cr> or ^0 <crc>cr&gt; Description Enable/disable Accept command Refuse command  CRC&gt;cr&gt;: Set enable/disable status  AlcCRC&gt;cr&gt; or ^0<crc>cr&gt; Description enable/disable A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command</crc></crc>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^1 ^0  ^S005PF<0 Response: / Data ^1 ^0  AS005MCF Response: /	Description Enable/disable Accept command Refuse command  CRC> <cr> Description Enable/disable Accept command Refuse command  CRC&gt;<cr> Description Enable/disable A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  CRC&gt;<cr> CSC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCCCCC&gt;<cr> CCCCCCCC&gt;<cr> CCCCCCCC&gt;<cr> CCCCCCCCCC&gt;<cr> CCCCCCCCCCCCC&gt;<cr> CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC</cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0 CResponse: / Data ^1 CResponse: / Data All All All All All All All All All Al	Description Enable/disable Accept command Refuse command  CRC> <cr></cr>	Remark  O: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function  LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie  lue  Remark  Remark
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0 CResponse: / Data ^1 CResponse: / Data All All All All All All All All All Al	Description Enable/disable Accept command Refuse command  CRC> <cr> Description Enable/disable Accept command Refuse command  CRC&gt;<cr> Description Enable/disable A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  CRC&gt;<cr> CSC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCC&gt;<cr> CCCCCCC&gt;<cr> CCCCCCCC&gt;<cr> CCCCCCCC&gt;<cr> CCCCCCCCCC&gt;<cr> CCCCCCCCCCCCC&gt;<cr> CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC</cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr></cr>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0 ^S005PF<0 Response: / Oata ^1 ^0	Description Enable/disable Accept command Refuse command  CRC> <cr></cr>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie  llue  Remark  m: 0~Parallel number, if single model, it should be 0 n: 0~9, unit: A, please check setable value by
Response: / Data n ^1 ^0  ^S006Pmn- Response: / Data m  n  ^1 ^0  ^S005PF<0 Response: / Data ^1 ^0  ASO05PF<0 Response: / Data m  nnn	Description Enable/disable Accept command Refuse command  CRC> <cr>: Set enable/disable status Al<crc><cr>: Operation enable/disable A B C D E F G H I Accept command Refuse command  CRC&gt;<cr>: Set enable/disable status A B C D E F G G H I Accept command Refuse command Refuse command Refuse command Refuse command  CRC&gt;<cr>: Set changeable parameter restore to default va Al<crc><cr>: Set changeable parameter restore to default</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></cr></crc></cr>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie
Response: / Data n ^1 ^0 ^S006Pmn- Response: / Data m  ^1 ^0 ^S005PF<0 Response: / Data ^1 ^0  ^S013MCF Response: / Data m	Description Enable/disable Accept command Refuse command  CRC> <cr> or ^0<crc><cr> Description Enable/disable Accept command  CRC&gt;<cr> or ^0<crc><cr> Description enable/disable A B C D E F G H I Accept command Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  Refuse command  CRC&gt;<cr> or ^0<crc><cr> Description Accept command  Refuse command  CRC&gt;<cr> Set changeable parameter restore to default vandacept command  Refuse command</cr></cr></crc></cr></cr></crc></cr></cr></crc></cr>	Remark  0: disable, 1: enable  Remark  E: enable, D: disable Silence buzzer or open buzzer Overload bypass function LCD display escape to default page after 1min timeout Overload restart Over temperature restart Backlight on Alarm on when primary source interrupt Fault code record Machine type, enable: Grid-Tie, disable: Off-Grid Tie  llue  Remark  m: 0~Parallel number, if single model, it should be 0 n: 0~9, unit: A, please check setable value by

^S014MUCH	IGCm,nnn <crc><cr>: Set battery maximum AC charge current</cr></crc>	
	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
m	Parallel machine ID	m: 0~Parallel number, if single model, it should be 0
nnn	Battery maximum charge current	n: 0~9, unit: A, please check setable value by "^P010MUCHGCR <crc><cr>"</cr></crc>
^1	Accept command	
<b>^</b> 0	Refuse command	
		•
^S006F50 <c< td=""><td>RC&gt;<cr>: Set AC output frequency to be 50Hz</cr></td><td></td></c<>	RC> <cr>: Set AC output frequency to be 50Hz</cr>	
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
^1	Accept command	
<b>^</b> 0	Refuse command	
	RC> <cr>: Set AC output frequency to be 60Hz</cr>	
•	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	D 1
Data	Description	Remark
^1 ^0	Accept command  Refuse command	
^0	Refuse command	
ASO15MCHO	GVmmm,nnn <crc><cr>: Set battery maximum charge voltage</cr></crc>	
	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
mmm	Battery constant charge voltage(C.V.)	mmm: 480~584, unit: 0.1V
nnn	Battery float charge voltage  Battery float charge voltage	nnn: 480~584, unit: 0.1V
^1	Accept command	11111 100 501, unit. 0.1 1
^0	Refuse command	
		·
^S008Vnnnn	<crc><cr>: Set AC output rated voltage</cr></crc>	
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	
Data	Description	Remark
nnnn	voltage	unit: 0.1V, nnnn: 2020,2080, 2200, 2300, 2400
^1	Accept command	
<b>^</b> 0	Refuse command	
	<pre><crc><cr>: Set output souce priority</cr></crc></pre>	
Response: ^1	<crc><cr> or ^0<crc><cr></cr></crc></cr></crc>	_
	<crc><cr> or ^0<crc><cr> Description</cr></crc></cr></crc>	Remark
Response: ^1 Data m	<crc><cr> or ^0<crc><cr> Description Output source priority</cr></crc></cr></crc>	Remark 0: Solar-Utility-Battery, 1: Solar-Battery-Utility
Response: ^1 Data m ^1	<crc><cr> or ^0<crc><cr> Description Output source priority Accept command</cr></crc></cr></crc>	
Response: ^1 Data m	<crc><cr> or ^0<crc><cr> Description Output source priority</cr></crc></cr></crc>	
Response: ^1 Data m ^1 ^0	<crc><cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command</cr></crc></cr></crc>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility
Response: ^1 Data m ^1 ^0 ^S014BUCD	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command mmm,nnn&lt;<cr>&gt;: Battery re-charged and re-discharged voltage when</cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr></cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility utility is available
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data	<pre>CRC&gt;<cr> or ^0<crc><cr>     Description     Output source priority     Accept command     Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr>     Description</cr></crc></cr></crc></cr></cr></crc></cr></pre>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility utility is available
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark
Response: ^1 Data m ^1 ^0 ^S014BUCD: Response: ^1 Data mmm	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm Selectable	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  MINIOR CRC&gt;<cr> MINIOR CRC&gt;<cr> Description Battery re-charged and re-discharged voltage when CRC&gt;<cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available</cr></cr></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  Refuse command  CRC&gt;<cr> Description  Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description  Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm Selectable value nnn	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  CRC&gt;<cr> Description  Output source priority Accept command  Refuse command  Mmmm,nnn<cr> Battery re-charged and re-discharged voltage when CRC&gt;<cr> or ^0<crc><cr> Description  Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2</cr></crc></cr></cr></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm Selectable value nnn Selectable value	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  CRC&gt;<cr> Description  CRC&gt;<cr> To ^0<crc><cr> Description Battery re-charged and re-discharged voltage when to the stription Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8  24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2  48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V</cr></crc></cr></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn Selectable value ^1	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  CRC&gt;<cr> Description  Output source priority Accept command  Refuse command  Mmm,nnn&lt;<r> CRC&gt;<cr> Or ^0<crc><cr> Description Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8  24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2  48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V  Accept command</cr></crc></cr></r></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm Selectable value nnn Selectable value	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  CRC&gt;<cr> Description  CRC&gt;<cr> To ^0<crc><cr> Description Battery re-charged and re-discharged voltage when to the stription Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8  24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2  48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V</cr></crc></cr></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  Refuse command  CRC&gt;<cr> or ^0<crc><cr> Description  Battery re-charged and re-discharged voltage when critical command  Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.5V/13.8V/13.2V/13.3V/13.3V/13.5V/13.8V/13.2V/13.3V/13.3V/13.5V/13.8V/13.2V/13.2V/13.3V/13.5V/13.8V/13.2V/13.</cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0  ^S009PCPm,	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  CRC&gt;<cr> Description  Output source priority Accept command  Refuse command  Mmm,nnn&lt;<r> CRC&gt;<cr> Or ^0<crc><cr> Description Battery re-charged voltage when utility is available  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V  24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V  48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8  24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2  48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V  Accept command</cr></crc></cr></r></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm Selectable value nnn Selectable value ^1 ^0 ^S009PCPm,	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <crc><cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command</cr></crc></cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0  ^S009PCPm, Response: ^1	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  Refuse command  CRC&gt;<cr> or ^0<crc><cr> Description Battery re-charged and re-discharged voltage when creater the command creater the creater th</cr></crc></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V  V/58V
Response: ^1 Data m ^1 ^0 ^S014BUCD Response: ^1 Data mmm  Selectable value nnn Selectable value ^1 ^0 ^S009PCPm, Response: ^1 Data	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command Refuse command  Mmm,nnn&lt;<r> CRC&gt;<cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13.3V/13.3V/13.5V/13.8V/13.4V/13.5V/13.8V/13.8V/13.5V/13.8V/13.5V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.5V/13.8V/13.8V/13.8V/13.5V/13.8V/13.8V/13.8V/13.8V/13.8V/13.8V/13.8V/13.8V/13.8V/13.5V/13.8</cr></crc></cr></r></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark m: 0~9, unit: 0.1V  n: 0~9, unit: 0.1V  V/14V/14.3V/14.5  8V/28.5V/29V  7/58V  Remark
Response: ^1 Data m ^1 ^0  ^S014BUCD: Response: ^1 Data mmm  Selectable value nnn Selectable value ^1 ^0  ^S009PCPm, Response: ^1 Data m	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn&lt;<rr> CRC&gt;<cr> or ^0<crc><cr> Description Battery re-charged and re-discharged voltage when creater than the command  The command command  Battery re-charged voltage when utility is available command  12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V command command command command command command  Battery re-discharged voltage when utility is available command command command  12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 command command  Refuse command  Refuse command  Refuse command  Refuse command  Parallel machine ID</cr></crc></cr></rr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  //14V/14.3V/14.5 8V/28.5V/29V  //58V  Remark  m: 0~Parallel number, if single model, it should be 0
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value  nnn  Selectable value  ^1 ^0  ^S009PCPm, Response: ^1 Data m n	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn&lt;<rr> CRC&gt;<cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13.3V/13.3V/13.5V/13.8V 24V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8V 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  n<crc><cr> Set charging source priority <crc><cr> or ^0<crc><cr> Description Parallel machine ID Charging source priority</cr></crc></cr></crc></cr></crc></cr></crc></cr></rr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  //14V/14.3V/14.5 8V/28.5V/29V  //58V  Remark  m: 0~Parallel number, if single model, it should be 0
Response: ^1 Data  m ^1 ^0  ^S014BUCD Response: ^1 Data  mmm  Selectable value  nnn  Selectable value  ^1 ^0  ^S009PCPm, Response: ^1 Data  m  n  ^1	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <a href="https://docs.or/">CRC&gt;<cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  n<a href="https://docs.or/">CRC&gt;<cr>: Set charging source priority</cr></a> <a href="https://docs.or/">CRC&gt;<cr>: Description</cr></a> Parallel machine ID Charging source priority Accept command</cr></a></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  //14V/14.3V/14.5 8V/28.5V/29V  //58V  Remark  m: 0~Parallel number, if single model, it should be 0
Response: ^1 Data  m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value  nnn  Selectable value  ^1 ^0  ^S009PCPm, Response: ^1 Data  m  n  ^1 ^0  ^1  An  An  An  An  An  An  An  An  An  A	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn<cr>: Battery re-charged and re-discharged voltage when <a href="https://docs.or/">CRC&gt;<cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  n<a href="https://docs.or/">CRC&gt;<cr>: Set charging source priority</cr></a> <a href="https://docs.or/">CRC&gt;<cr>: Description</cr></a> Parallel machine ID Charging source priority Accept command</cr></a></cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  //14V/14.3V/14.5 8V/28.5V/29V  //58V  Remark  m: 0~Parallel number, if single model, it should be 0
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0  ^S009PCPm, Response: ^1 Data m n ^1 ^0  ^S007PSPm<	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  mmm,nnn&lt;<r> Refuse command  Refuse command  CRC&gt;<cr> or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V  Battery re-discharged voltage when utility is available 12V unit: 0.00V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 0.00V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 0.00V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  n<crc><cr> CRC&gt;<cr>: Set charging source priority </cr>   CRC&gt;<cr> or ^0<crc><cr> Description Parallel machine ID Charging source priority Accept command Refuse command Refuse command Refuse command Refuse command</cr></crc></cr></cr></crc></cr></crc></cr></r></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  //14V/14.3V/14.5 8V/28.5V/29V  //58V  Remark  m: 0~Parallel number, if single model, it should be 0
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0  ^S009PCPm, Response: ^1 Data m n ^1 ^0  ^S007PSPm<	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  Mmm,nnn Refuse command  Mmm,nnn CRC&gt;<cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13.3V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  Refuse command  Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command</cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  V/14V/14.3V/14.5 8V/28.5V/29V  V/58V  Remark  m: 0~Parallel number, if single model, it should be 0 0: Solar first, 1: Solar and Utility, 2: Only solar  Remark
Response: ^1 Data  m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value  nnn  Selectable value  ^1 ^0  ^S009PCPm, Response: ^1 Data m  n  ^1 ^0  ^S007PSPm< Response: ^1 Data m	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command Refuse command  Mmm,nnn&lt;<r> Refuse command Refuse command  Refuse command  Refuse command  Mmm,nnn&lt;<rr> CRC&gt;<cr> Or ^0<crc><cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  Refuse command  CRC&gt;<cr> Description Parallel machine ID Charging source priority Accept command Refuse romand Refuse romand</cr></cr></crc></cr></rr></r></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark m: 0~9, unit: 0.1V  V/14V/14.3V/14.5 8V/28.5V/29V  V/58V  Remark m: 0~Parallel number, if single model, it should be 0 0: Solar first, 1: Solar and Utility, 2: Only solar
Response: ^1 Data m ^1 ^0  ^S014BUCD Response: ^1 Data mmm  Selectable value nnn  Selectable value ^1 ^0  ^S009PCPm, Response: ^1 Data m n ^1 ^0  ^S007PSPm< Response: ^1 Data	CRC> <cr> or ^0<crc><cr> Description Output source priority Accept command Refuse command  Mmm,nnn Refuse command  Mmm,nnn CRC&gt;<cr> Description Battery re-charged voltage when utility is available 12V unit: 11V/11.3V/11.5V/11.8V/12V/12.3V/12.5V/12.8V 24V unit: 22V/22.5V/23V/23.5V/24V/24.5V/25V/25.5V 48V unit: 44V/45V/46V/47V/48V/49V/50V/51V Battery re-discharged voltage when utility is available 12V unit: 00.0V/12V/12.3V/12.5V/12.8V/13.3V/13.3V/13.5V/13.8 24V unit: 00.0V/24V/24.5V/25V/25.5V/26V/26.5V/27V/27.5V/2 48V unit: 00.0V/48V/49V/50V/51V/52V/53V/54V/55V/56V/57V Accept command Refuse command  Refuse command  Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command Refuse command</cr></cr></crc></cr>	0: Solar-Utility-Battery, 1: Solar-Battery-Utility  utility is available  Remark  m: 0~9, unit: 0.1V  V/14V/14.3V/14.5 8V/28.5V/29V  V/58V  Remark  m: 0~Parallel number, if single model, it should be 0 0: Solar first, 1: Solar and Utility, 2: Only solar  Remark

^S007PGRm <crc><cr>: Set AC input voltage range</cr></crc>			
Response: ^1<0	CRC> <cr> or ^0<crc><cr></cr></crc></cr>		
Data	Description	Remark	
m	AC input voltage range	0: Appliance, 1: UPS	
^1	Accept command		
<b>^</b> 0	Refuse command		
4.G0.0EDDE			
	CRC> <cr>: Set battery type</cr>		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	<i>p</i> 1	
Data	Description  Pattern type	Remark	
m ^1	Battery type Accept command	N: 0: AGM, 1: Flooded, 2: User	
^0	Refuse command		
0	Keruse command	1	
^S010POPMm.	n <crc><cr>: Set output model</cr></crc>		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>		
Data	Description	Remark	
m	Parallel machine ID	m: 0~Parallel number, if single model, it should be 0 0: Single module, 1: paramer output, 2: Phase 1 of three phase	
	Output model		
n	Output model	output, 3: Phase 2 of three phase output 4: Phase 3 of three phase	
^1	Accept command		
<b>^</b> 0	Refuse command		
10011			
	nm <crc><cr>: Set battery cut-off voltage</cr></crc>		
•	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	D	
Data	Description https://doi.org/10.1001/10	Remark	
mmm ^1	battery cut-off voltage	mmm:400~480, the unit is 0.1V	
	Accept command		
^0	Refuse command		
^S027IDmmnn	nnnnnnnnnnnnnnn <crc><cr>: Set solar configuration</cr></crc>		
	CRC> <cr></cr>		
Data	Description	Remark	
mm	valid serial number length	mm: 01~20	
n	Serial number	n: 0~9	
^1	Accept command		
^0	Refuse command		
^S006CLE <cr></cr>	: Clear the all the data of generated energy		
	清除所有发电量		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>		
Data	Description	Remark	
^1	Accept command		
<b>^</b> 0	Refuse command		
AG010D A FF	1111.00		
	amddhhffss <cr>: Set date time</cr>		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	Damanis	
Data	Description	Remark	
yy mm	Year Month	Y: 0~9 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		
^S014ACCTaa	aa,bbbb <cr>: Set AC charge time bucket</cr>		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>		
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)	
^1	Accept command		
^0	Refuse command		
	aa,bbbb <cr>: Set AC supply load time bucket</cr>		
	CRC> <cr> or ^0<crc><cr></cr></crc></cr>	<u> </u>	
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)	
^1 ^0	Accept command		
U	Refuse command		

CRC calculation		
	CRC source code.txt	