



Version	Time	Modifier	Description
V1.1.1	2025/4/8	Zhicheng Song	First Edition Point Table

Master control panel dialing code						
Serial number	1	2	3	4	5	6
Meaning	2^0	2^1	2^2	2^0	2^1	2^2

Ethernet IP and board card dial code correspondence relationship						
Detailed Dialing Code Table	6	5	4	3	2	1
192.168.0.1	0	0	0	0	0	1
192.168.0.2	0	0	0	0	1	0
192.168.0.3	0	0	0	0	1	1
192.168.0.4	0	0	0	1	0	0
192.168.0.5	0	0	0	1	0	1
192.168.0.6	0	0	0	1	1	0
192.168.0.7	0	0	0	1	1	1
192.168.0.8	0	0	1	0	0	0
192.168.0.9	0	0	1	0	0	1
192.168.0.10	0	0	1	0	1	0
192.168.0.11	0	0	1	0	1	1
192.168.0.12	0	0	1	1	0	0
192.168.0.13	0	0	1	1	0	1
192.168.0.14	0	0	1	1	1	0
192.168.0.15	0	0	1	1	1	1
192.168.0.16	0	1	0	0	0	0
192.168.0.17	0	1	0	0	0	1
192.168.0.18	0	1	0	0	1	0
192.168.0.19	0	1	0	0	1	1
192.168.0.20	0	1	0	1	0	0



Serial Number	Type	Variable Name	Variable Definition	Bit	Bit Variable Name	Function Description
1	UNTY16	wUseSignal	Upper Computer Life Signal			
2	UNTY16	wTimeYear	Year			
3	UNTY16	wTimeMonth	Month			
4	UNTY16	wTimeDate	Day			
5	UNTY16	wTimeHour	Hour			
6	UNTY16	wTimeMinute	Minute			
7	UNTY16	wTimeSecond	Second			
8	UNTY16					
9	UNTY16					
10	UNTY16					
11	UNTY16					
20	UNTY16	wSysCtrlWord	system control word	0	bReset	Fault alarm reset
				1	bEmergencyStop	Emergency stop
				2	bStart	Start
				3	bStop	Stop
				4	bStandby	Standby
				5	bStandby	Standby
				6	bStandby	Standby
				7	bStandby	Standby
				8	bStandby	Standby
				9	bStandby	Standby
				10	bStandby	Standby
				11	bStandby	Standby
				12	bStandby	Standby
				13	bStandby	Standby
				14	bStandby	Standby
				15	bStandby	Standby
				0	bSSV_Kun	System running light
				1	bSoc_Full	System full light
				2	bInlet_Cct_EN	Electric heating controller enable
				3	bDO_N04 spare	DO4 standby
				4	bDO_N05 spare	DO5 standby
				5	bMain_Cct_EN	Main controller control
				6	bSeries_Cct_EN	Series controller control
				7	bBypass_Cct_EN	Bypass controller control
				8	bPCS_S01 NO	PCS allow shutoff/stop
				9	bEstop_S01 NO	Emergency stop interface output
				10	bInlet_FAN_EN	Inlet fan 1 start
				11	bNegative_PUMP_EN	Negative fan 1 start
				12	bNegative_PUMP_EN	Negative pump enable
				13	bPositive_PUMP_EN	Positive pump enable
				14	bPowerSw1_EN	Battery power 1 enable
				15	bPowerSw2_EN	Battery power 2 enable
				0		
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
21	UNTY16	wDO	DO1-16	0		
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
22	UNTY16	wDO17_32	DO17-32	0		
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
23	UNTY16	wEMSCtrl	EMS command	0		
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
				15		
24	UNTY16	wWorkMode	Work Mode			1Manual 2Auto
25	UNTY16	wReserve	Standby			
26	UNTY16	wReserve	Standby			
27	UNTY16	wReserve	Standby			
28	UNTY16	wReserve	Standby			
29	UNTY16	wReserve	Standby			
30	UNTY16	wIPAddr01	IP Address 1			
31	UNTY16	wIPAddr02	IP Address 2			
32	UNTY16	wIPAddr03	IP Address 3			
33	UNTY16	wIPAddr04	IP Address 4			
34	UNTY16	wTCPSockPort	Port Number			
35	UNTY16	wReserve	Standby			
36	UNTY16	wReserve	Standby			
37	UNTY16	wReserve	Standby			
38	UNTY16	wReserve	Standby			
39	UNTY16	wReserve	Standby			
40	UNTY16	wReserve	Standby			
41	UNTY16	wFilterPLev2	PT100 Filter Coefficient			
42	UNTY16	wFilterPLev3	PT100 Filter Coefficient			
43	UNTY16	wFilterPLev4	PT100 Filter Coefficient			
44	UNTY16	wReserve	Standby			
45	UNTY16	wReserve	Standby			
46	UNTY16	wReserve	Standby			
47	UNTY16	wReserve	Standby			
48	UNTY16	wReserve	Standby			
100	FLQAT	AlertStackVol_H	Battery voltage alarm high value			
102	FLQAT	AlertStackVol_L	Battery voltage alarm low value			
104	FLQAT	AlertStackVol_Delay	Battery voltage alarm delay value			
106	FLQAT	AlertStackVol_L	OCV alarm high value			
108	FLQAT	AlertStackVol_L	OCV alarm low value			
110	FLQAT	AlertStackVol_Delay	OCV alarm delay value			
112	FLQAT	AlertStackCurrent_H	Battery current alarm high value			
114	FLQAT	AlertStackCurrent_L	Battery current alarm low value			
116	FLQAT	AlertStackCurrent_Delay	Battery current alarm delay value			
118	FLQAT	AlertPumpAnoCurrent_H	Positive pump current alarm high value			
120	FLQAT	AlertPumpAnoCurrent_L	Positive pump current alarm low value			
122	FLQAT	AlertPumpCathCurrent_H	Negative pump current alarm high value			
124	FLQAT	AlertPumpCathCurrent_L	Negative pump current alarm low value			
126	FLQAT	wReserve	Standby			
128	FLQAT	wReserve	Standby			
130	FLQAT	SOc_SOC_H	SOC maximum value			
132	FLQAT	SOc_SOC_L	SOC minimum value			
134	FLQAT	AlertTemp_H	Electrolyte temperature alarm high value			
136	FLQAT	AlertTemp_L	Electrolyte temperature alarm low value			
138	FLQAT	AlertTemp_Delay	Electrolyte temperature alarm delay value			
140	FLQAT	KunVoltage	Positive and negative pump operation difference value			
142	FLQAT	wReserve	Standby			
144	FLQAT	wReserve	Standby			
146	FLQAT	StopStackVol_H	Battery voltage shutdown high value			
148	FLQAT	StopStackVol_L	Battery voltage shutdown low value			
150	FLQAT	wReserve	Standby			
152	FLQAT	wReserve	Standby			
154	FLQAT	wReserve	Standby			
156	FLQAT	wReserve	Standby			
158	FLQAT	StopStackCurrent_H	Battery current shutdown high value			
160	FLQAT	StopStackCurrent_L	Battery current shutdown low value			
162	FLQAT	StopStackCurrent_Delay	Battery current shutdown delay value			
164	FLQAT	StopPumpAnoCurrent_H	Positive pump current shutdown high value			
166	FLQAT	StopPumpAnoCurrent_L	Positive pump current shutdown low value			
168	FLQAT	StopPumpCathCurrent_H	Negative pump current shutdown high value			
170	FLQAT	StopPumpCathCurrent_L	Negative pump current shutdown low value			
172	FLQAT	wReserve	Standby			
174	FLQAT	StopFanCurrent_H	Fan current shutdown high value			
176	FLQAT	StopFanCurrent_L	Fan current shutdown low value			
178	FLQAT	wReserve	Standby			
180	FLQAT	StopTemp_H	Electrolyte temperature shutdown high value			
182	FLQAT	StopTemp_L	Electrolyte temperature shutdown low value			
184	FLQAT	wReserve	Standby			
186	FLQAT	wReserve	Standby			
188	FLQAT	StopPumpCurrentDiff	Pump current difference shutdown value			
190	FLQAT	wReserve	Standby			
192	FLQAT	Fan_stop_temp	Fan stop temperature			
194	FLQAT	Fan_stop_temp	Fan stop temperature			
196	FLQAT	wReserve	Standby			
198	FLQAT	wReserve	Standby			
200	FLQAT	wReserve	Standby			
202	FLQAT	wReserve	Standby			
204	FLQAT	wReserve	Standby			
206	FLQAT	wReserve	Standby			
208	FLQAT	wReserve	Standby			
210	FLQAT	wReserve	Standby			
212	FLQAT	wReserve	Standby			
214	FLQAT	wReserve	Standby			
216	FLQAT	wReserve	Standby			
218	FLQAT	wReserve	Standby			
220	FLQAT	wReserve	Standby			
222	FLQAT	wReserve	Standby			
224	FLQAT	wReserve	Standby			
226	FLQAT	wReserve	Standby			
228	FLQAT	wReserve	Standby			
230	FLQAT	wReserve	Standby			
232	FLQAT	wReserve	Standby			
234	FLQAT	wReserve	Standby			
236	FLQAT	wReserve	Standby			
238	FLQAT	wReserve	Standby			
240	FLQAT	wReserve	Standby			
242	FLQAT	wReserve	Standby			
244	FLQAT	wReserve	Standby			
246	FLQAT	wReserve	Standby			
248	FLQAT	wReserve	Standby			
250	FLQAT	wReserve	Standby			
252	FLQAT	wReserve	Standby			
254	FLQAT	wReserve	Standby			
256	FLQAT	wReserve	Standby			
258	FLQAT	wReserve	Standby			
260	FLQAT	wReserve	Standby			
262	FLQAT	wReserve	Standby			
264	FLQAT	wReserve	Standby			
266	FLQAT	wReserve	Standby			
268	FLQAT	wReserve	Standby			
270	FLQAT	wReserve	Standby			
272	FLQAT	wReserve	Standby			
274	FLQAT	SOC_RATIO_0	SOC Coefficient 1			
276	FLQAT	SOC_RATIO_1	SOC Coefficient 2			
278	FLQAT	SOC_RATIO_2	SOC Coefficient 3			
280	FLQAT	SOC_RATIO_3	SOC Coefficient 4			
282	FLQAT	SOC_RATIO_4	SOC Coefficient 5			
284	FLQAT	SOC_RATIO_5	SOC Coefficient 6			
286	FLQAT	Heat_stop_temp	Electric Heating Stop Temperature			
288	FLQAT	Heat_stop_temp	Electric Heating Stop Temperature			
290	FLQAT	PositivePumpSpd	Positive pump speed control			