BSL NEW ENERGY (HONGKONG) CO., LIMITED

FLAT A112, 1/F, LEE KA INDUSTRIAL BUILDING, 8 NG FONG STREET, SAN PO KONG, KOWLOON, HONG KONG, CHINA
Tel: +86-752-2819469 Fax:+86-752-2818633

Calibratable alarm			Uncalibrated alarm			
Alarm code		Alarm name	Alarm code		Alarm name	Alarm description
DEC	HEX		DEC	HEX		
0	0	Charging unit high voltage	128	80	Voltage cable	
1	1	Discharge cell high voltage	129	81	Temperature sense cable	
2	2	Charging unit low voltage	130	82	Internal network communication	
3	3	Discharge cell low voltage	131	83	DC charging positive socket temperature	
4	4	High total charging voltage	132	84	DC charging negative socket temperature	
5	5	High total discharge voltage	133	85	AC charging phase A/L socket temperature	
6	6	Low total charging voltage	134	86	AC charging phase B/N socket temperature	
7	7	Low total discharge voltage	135	87	AC charging phase C socket temperature	
8	8	Charging voltage difference	136	88	Charger communication interrupted	
9	9	Discharge total voltage difference	137	89	Vehicle communication interrupted	
10	A	Charging voltage difference	138	8A	Full charge diagnosis	
11	B	Discharge voltage difference	139	8B	Abnormal temperature sense of charging	Socket temperature collection is invalid
12	C	Charging high temperature	140	8C	Precharge failed	
13	D	Discharge high temperature	141	8D	Abnormal current	Faults such as short circuit and open circuit of current acquisition
14	E	Charging low temperature	142	8E	BMSInitialization failure	
15	F	Low temperature discharge	143	8F	HVILmalfunction	MSD Faults and other high-voltage interlock faults
16	10	Charging temperature difference	144	90	Relay failure	Relay adhesion, open circuit and other faults
17	11	Discharge temperature difference	145	91	Heating failure	Can increase any heating failure, determined by order development
18	12	Fast charge overcurrent	146	92	CC2Connection failure	CC2 Resistance is valid, but not within the defined connection range
19	13	Slow charge and over current	147	93	CCConnection failure	CC Resistance is valid, but not within the defined connection range
20	14	Feedback overcurrent	148	94	CPConnection failure	The frequency is effective but the duty cycle is not within the connection
21	15	Continuous discharge overcurrent	149	95	Abnormal heating temperature	
22	16	Instantaneous discharge overcurrent	150	96	Abnormal pole temperature	
23	17	SOC High	151	97	Electronic lock failure	
24	18	SOC Low	152	98	Multi-charge connection failure	
25	19	Leakage	153	99	The number of batteries does not match	
26	1A	Charge overheating	154	9A	Temperature sense number does not match	
27	1B	Discharge heating over temperature	155	9B	Abnormal power supply voltage	
28	1C	Charging heating temperature difference is too large	156	9C	Collision failure	
29	1D	Discharge heating temperature difference is too large				
30	1E	Charge heating timeout				
31	1F	Discharge heating timeout				
32	20	Charging heating overcurrent				
33	21	Discharge heating overcurrent				
34	22	SOC Jump				

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Calibratable alarm			Uncalibrated alarm			
Alarm code		Alarm name	Alarm code		Alarm name	Alarm description
DEC	HEX		DEC	HEX		
35	23	Power supply voltage is too low				
36	24	Charging pole over temperature				
37	25	Discharge electrode column over temperature				
38	26	The temperature difference of the charging pole is too large				
39	27	The temperature difference of the discharge electrode column is too large				
40	28	Abnormal charging current				
41	29	Power supply voltage is too high				

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error code	alarm name	maintain procedures	replacement parts
3	Discharge cell low voltagev	1.check the cell voltage on battery display whether one cell voltage or all cell voltage have lower 3.0v. 2.a if one cell voltage is lower than others,find out this cell/module,measure the voltage. 2.b if all cell voltage is lower 3.0v, please charge the battery asap.	cell/module
11	Discharge voltage difference	1.check the cell voltage on battery display whether one or several cell voltage is lower than others. calculate the voltage difference.the voltage difference lower 500mv is acceptable	cell/module
13	Discharge high temperature	1.check the cell temperature on battery display a. one or several cell temperature is lower/higher than others.check the resistance of the voltage sensor plug. b. the all cell temperature have no big diference. check whether the screws have loose or not. when charge or discharge can remove the cover to dissipate heat.	
22	Instantaneous discharge overcurrent	1.When you have this error on display, check how much current on display at that time or check the discharge current from clound plattform. 2.Don't overload. Don't fork with too heavy goods, at same time run too fast or too high. 3.check the threshold of Instantaneous discharge overcurrent	
24	SOC low	1.check the SOC and cell voltage on battery display. 2. charge the battery asap.	
128	Voltage sensor cable	1. First check the cell voltage on battery display. a.if one or two cell voltage shows abnormal, measure the voltage of corresponding plug A/B/C on BMS.if the voltage is normal, can change a BMS. if the voltage is abnormal, check the voltage wire is loose or damaged or not. 2.if all the cell voltage is abnormal,maybe the voltage plug is loose.pulg out plug A/B/C on BMS, then, plug in. a.if the 128 error donesn't disapper, check the lower voltage plug note:we can change a BMS only after measure the voltage of plug A/B/C, the voltage shows normal.or the BMS can be damaged.	voltage sensor wire, BMS
129	temperature sensor cable	1.check the cell temperature on battery display a. one or several cell temperature is abnormal.check the resistance of the voltage sensor plug on BMS.the value of resistance is about 9.5 KΩ is normal. 2. If all cell temperature is abnormal,check whether the plug A/B/C on BMS or lower plug is loose or not.	temperature sensor wire, BMS
136	Charger communication interrupted	1. change a charger or battery in good conditon. eliminate the charge or battery problem. 2. when you elimate the charger or battery problems. Then, having a visual inspection on charger plug/ battery charge plug whether the pins have loose or backwards or not. if no any pin loose , do next procedure. 3.do a cotinuity test for the charge auxiliary wire.	charge auxiliary wire