BMS upload parameters (corresponding

After modifying the parameters, set all. Only remaining capacity

number	parameter name	parameter name
1	Single Cell High Voltage Alarm	Alarm-Monomer high voltage
2	Single Cell High Voltage Recovery	Recovery-Monomer high voltage
3	Single Cell Low Voltage Alarm	Alarm-Monomer low voltage
4	Single Cell Low Voltage Recovery	Recovery-Monomer low voltage
5	Single Cell Overvoltage Protection	Monomer overvoltage protection
6	Single Cell Overvoltage Recovery	Overvoltage monomer recovery
7	Single Cell Undervoltage Protection	Monomer undervoltage protection
8	Single Cell Undervoltage Recovery	Undervoltage monomer recovery
9	Balancing Activation Voltage	Balanced turn-on voltage
10	Cell Low Voltage Prohibition of Charging	Low - voltage charge suppression of the cell
11	Total Voltage High Voltage Alarm	Alarm - High total voltage
12	Total Voltage High Voltage Recovery	Recovery - High total voltage

13	Total Voltage Low Voltage Alarm	Alarm - Low total voltage
14	Total Voltage Low Voltage Recovery	Recovery - Low total voltage
15	Total Voltage Overvoltage Protection	Total_voltage overvoltage protection
16	Total Voltage Overvoltage Recovery	Overvoltage Total_voltage recovery
17	Total Voltage Undervoltage Protection	Total_voltage undervoltage protection
18	Total Voltage Undervoltage Recovery	Undervoltage Total_voltage recovery
19	Charging Overvoltage Protection	Overcharge protection
20	Charging Overvoltage Recovery	Recovery of overvoltage
21	Charging High Temperature Alarm	Alarm - High temperature charging
22	Charging High Temperature Recovery	Recovery - High temperature charging
23	Charging Low Temperature Alarm	Alarm - Low temperature charging
24	Charging Low Temperature Recovery	Recovery - Low temperature charging
25	Charging Overtemperature Protection	Protect - Over temperature charging

26	Charging Overtemperature Recovery	Recovery - Over temperature charging
27	Charging Undertemperature Protection	Protect - Under temperature charging
28	Charging Undertemperature Recovery	Recovery - Under temperature charging
29	Discharging High Temperature Alarm	Alarm - High temperature discharging
30	Discharging High Temperature Recovery	Recovery - High temperature discharging
31	Discharging Low Temperature Alarm	Alarm - Low temperature discharging
32	Discharging Low Temperature Recovery	Recovery - Low temperature discharging
33	Discharging Overtemperature Protection	Protect - Over temperature discharging
34	Discharging Overtemperature Recovery	Recovery - Over temperature discharging
35	Discharging Undertemperature Protection	Protect - Under temperature discharging
36	Discharging Undertemperature Recovery	Recovery - Under temperature discharging
37	Cell Low Temperature Heating	Battery low temperature heating
38	Cell Heating Recovery	Cell heating recovery

39	Ambient High Temperature Alarm	Ambient high temperature alarm
40	Ambient High Temperature Recovery	Ambient high temperature recovery
41	Ambient Low Temperature Alarm	Ambient low temperature alarm
42	Ambient Low Temperature Recovery	Ambient low temperature recovery
43	Ambient Overtemperature Protection	Protect - Ambient over-temperature
44	Ambient Overtemperature Recovery	Recovery - Ambient over-temperature
45	Ambient Undertemperature Protection	Protect - Ambient low-temperature
46	Ambient Undertemperature Recovery	Recovery - Ambient under-temperature
47	Power High Temperature Alarm	Power high temperature alarm
48	Power High Temperature Recovery	Power high temperature recovery
49	Power Overtemperature Protection	Protect - Power over-temperature
50	Power Overtemperature Recovery	Recovery - Power over-temperature
51	Charging Overcurrent Alarm	Alarm - High charging current

52	Charging Overcurrent Recovery	Recovery - High charging current
53	Discharging Overcurrent Alarm	Alarm - High discharging current
54	Discharging Overcurrent Recovery	Recovery - High discharging current
55	Charging Overcurrent Protection	Charge overcurrent protection
56	Discharging Overcurrent Protection	Discharge overcurrent protection
57	Transient Overcurrent Protection	Transient overcurrent protection
58	Output Soft Start Delay	Output soft start delay
59	Battery Rated Capacity	Battery rated capacity

60	Battery Remaining Capacity	SOC
61	Cell Failure Voltage Difference	Cell failure differential pressure
62	Cell Failure Recovery	Battery failure recovery
63	Balancing Activation Voltage Difference	Pressure balanced open
64	Balancing Ending Voltage Difference	End pressure balanced
65	Static Balancing Time	Static equalization time
66	Battery Series Cell Count	Battery number in series
67	Charging Overcurrent Delay	Charge overcurrent delay
68	Discharging Overcurrent Delay	Discharge overcurrent delay
69	Transient Overcurrent Delay	Transient overcurrent delay
70	Overcurrent Recovery Delay	Overcurrent delay recovery
71	Overcurrent Recovery Count	Number of overcurrent recovery

72	Charging Current Limit Delay	Charge current limit delay
73	Charging Activation Delay	Charging activation delay
74	Charging Activation Interval	Charge activation interval
75	Charging Activation Count	Charge activation times
76	Operation Recording Interval	Work record interval
77	Standby Recording Interval	Standby recording interval
78	Standby Shutdown Delay	Standby shutdown delay
79	Remaining Capacity Alarm	Remaining capacity alarm
80	Remaining Capacity Protection	Residual capacity protection
81	Interval Compensation Capacity	Interval supplementary capacity
82	Cycle Accumulated Capacity	Cumulative circulation capacity
83	Connection Fault Impedance	Connection fault impedance
84	Compensation Point 1 Position	Compensation point 1 position
85	Compensation Point 1 Impedance	Compensation point 1 impedance

86	Compensation Point 2 Position	Compensation point 2 position
87	Compensation Point 2 Impedance	Compensation point 2 impedance

ı value and function)

can be downloaded separately, other parameters do not

value	unit	explanation
3.550	V	Battery cell reaches the alarm value during charging. The upper computer will display an alarm but will not stop charging.
3.380	V	Recovery value for high voltage alarm of a single battery cell.
2.900	V	Battery cell reaches the alarm value during discharging. The upper computer will display an alarm but will not stop discharging.
3.100	V	Recovery value for low voltage alarm of a single battery cell.
3.650	V	Battery cell reaches the protection value during charging. The upper computer will display a protection message and stop charging.
3.380	V	Recovery value for overvoltage protection of a single battery cell.
2.700	V	Battery cell reaches the protection value during discharging. The upper computer will display a protection message and stop discharging.
3.100	V	Recovery value for undervoltage protection of a single battery cell.
3.400	V	Battery cell meets the required activation voltage.
1.500	V	Prohibition of charging when cell voltage is too low.
56.000	V	Total voltage reaches the alarm value during charging. The upper computer will display an alarm but will not stop charging.
54.000	V	Recovery value for high voltage alarm of total voltage.

46.400	V	Total voltage reaches the alarm value during discharging. The upper computer will display an alarm but will not stop discharging.
48.000	V	Recovery value for low voltage alarm of total voltage.
57.600	V	Total voltage reaches the protection value during charging. The upper computer will display a protection message and stop charging.
54.000	V	Recovery value for overvoltage protection of total voltage.
43.200	V	Total voltage reaches the protection value during discharging. The upper computer will display a protection message and stop discharging.
48.000	V	Recovery value for undervoltage protection of total voltage.
63.000	V	BMS detects excessive voltage from the charger and implements charging protection by stopping the charging process.
61.000	V	Recovery value for charger voltage reaching the protection level.
50.000	℃	Battery cell temperature reaches the high-temperature alarm value during charging. The upper computer will display an alarm but will not stop charging.
47.000	℃	Recovery value for high-temperature alarm of battery cell temperature.
2.000	℃	Battery cell temperature reaches the low-temperature alarm value during charging. The upper computer will display an alarm but will not stop charging.
5.000	℃	Recovery value for low-temperature alarm of battery cell temperature.
55.000	℃	Battery cell temperature reaches the over-temperature protection value during charging. The upper computer will display a protection message and stop charging.

50.000	℃	Recovery value for over-temperature protection of battery cell temperature.
-10.000	℃	Battery cell temperature reaches the under-temperature protection value during charging. The upper computer will display a protection message and stop charging.
0.000	℃	Recovery value for under-temperature protection of battery cell temperature.
52.000	℃	Battery cell temperature reaches the high-temperature alarm value during discharging. The upper computer will display an alarm but will not stop discharging.
47.000	℃	Recovery value for high-temperature alarm of battery cell temperature.
-10.000	℃	Battery cell temperature reaches the low-temperature alarm value during discharging. The upper computer will display an alarm but will not stop discharging.
3.000	℃	Recovery value for low-temperature alarm of battery cell temperature.
55.000	℃	Battery cell temperature reaches the over-temperature protection value during discharging. The upper computer will display a protection message and stop discharging.
50.000	℃	Recovery value for over-temperature protection of battery cell temperature.
-10.000	℃	Battery cell temperature reaches the under-temperature protection value during discharging. The upper computer will display a protection message and stop discharging.
0.000	℃	Recovery value for under-temperature protection of battery cell temperature.
0.000	℃	When the charger is online, if the battery cell temperature is below the heating temperature threshold, it will activate the heating function.
10.000	℃	Stop heating when the battery cell temperature returns to normal.

50.000	℃	Environmental temperature reaches the high-temperature alarm value. The upper computer will display an alarm but will not stop charging or discharging.
47.000	℃	Recovery value for high-temperature alarm of environmental temperature.
0.000	℃	Environmental temperature reaches the low-temperature alarm value. The upper computer will display an alarm but will not stop charging or discharging.
3.000	℃	Recovery value for low-temperature alarm of environmental temperature.
60.000	℃	Environmental temperature reaches the over-temperature protection value. The upper computer will display a protection message and stop charging or discharging.
55.000	℃	Recovery value for over-temperature protection of environmental temperature.
-10.000	℃	Environmental temperature reaches the under-temperature protection value. The upper computer will display a protection message and stop charging or discharging.
0.000	℃	Recovery value for under-temperature protection of environmental temperature.
90.000	℃	Power temperature reaches the high-temperature alarm value. The upper computer will display an alarm but will not stop charging or discharging.
85.000	℃	Recovery value for high-temperature alarm of power temperature.
100.000	℃	Power temperature reaches the over-temperature protection value. The upper computer will display a protection message and stop charging or discharging.
85.000	℃	Recovery value for over-temperature protection of power temperature.
70.000	A	Current exceeds the alarm value during charging. The upper computer will display an alarm but will not stop charging.

65.000	A	Recovery value for charging overcurrent alarm.
-105.000	A	Current exceeds the alarm value during discharging. The upper computer will display an alarm but will not stop discharging.
-103.000	A	Recovery value for discharging overcurrent alarm.
110.000	A	Current exceeds the protection value during charging. The upper computer will display a protection message and stop charging.
-110.000	A	Current exceeds the protection value during discharging. The upper computer will display a protection message and stop discharging.
-250.000	A	Current exceeds the secondary protection value during discharging. The upper computer will display a transient overcurrent protection message and stop discharging.
2000.000	mS	When BMS connects to the device, the device will draw current from the battery. BMS will pre-charge the device to prevent short-circuit protection.
100.000	Ah	Set battery capacity limit based on battery capacity.

50.000	Ah	Remaining battery capacity.
0.500	V	Large voltage difference between battery cells. BMS will indicate a failure in voltage difference and not provide protection.
0.300	V	Recovery value for voltage difference failure of battery cells.
0.030	V	Enable balancing when the voltage reaches the activation threshold and the voltage difference meets the conditions.
0.020	V	Recovery value for balancing activation.
10.000	hours	BMS stops balancing if static balancing time exceeds a certain duration during non-charging or discharging state.
16.000	count	Set the number of battery cell series based on the battery cell configuration.
10.000	second	Charging protection is triggered when the current exceeds the protection conditions during charging. BMS stops charging protection based on the set delay time.
10.000	second	Discharging protection is triggered when the current exceeds the protection conditions during discharging. BMS stops discharging protection based on the set delay time.
30.000	mS	Discharging protection is triggered when the current exceeds the secondary protection conditions during discharging. BMS stops discharging protection based on the set delay time.
60.000	second	After BMS overcurrent protection, it waits for 60 seconds to detect the external current situation before resuming normal operation.
5.000	count	If BMS frequently triggers overcurrent protection beyond a certain number of times, it will lock and not allow recovery.

5.000	minute	This function is only effective when passive current limitation is enabled. BMS will recheck the external current after a certain period of time.
1.000	minute	This function is only for home energy storage use. It allows the inverter to detect battery output after BMS undervoltage protection. Manual button press is needed to deactivate the protection state.
10.000	hours	This function is currently not in use.
10.000	count	This function is currently not in use.
30.000	minute	BMS saves a historical data entry after a certain duration during charging or discharging state.
240.000	minute	BMS saves a historical data entry after a certain duration during standby state.
48.000	hours	If BMS remains in standby state for an extended period, it will enter standby shutdown mode, consuming zero power.
10.000	%	SOC falls below the alarm value. The upper computer will display an alarm but will not activate protection.
5.000	%	SOC falls below the protection value. The upper computer will display a protection message and stop discharging.
96.000	%	After overvoltage protection, if the BMS voltage reaches the recovery value but SOC does not meet the condition, charging will not resume. Charging will only resume if SOC is below the gap recharge capacity and the voltage reaches the recovery value.
80.000	%	If BMS continues discharging with SOC releasing more than 20%, it will switch to charging. BMS accumulates one cycle count.
10.000	mΩ	Compensate for impedance between cells.
9.000	count	Compensate for impedance between cells for the corresponding cell series (1-9 cells).
0.000	mΩ	Compensate for impedance between cells.

13.000	count	Compensate for impedance between cells for the corresponding cell series (10-16 cells).
0.000	mΩ	Compensate for impedance between cells.

support separate downloading.

explanation
When charging, the monomer cell reaches the warning value. The upper machine will prompt warning and do not stop charging
Remove the high voltage warning recovery value of monomer cell
When discharging, the monomer cell reaches the warning value. The upper machine will prompt warning and do not stop charging
Remove the low voltage warning recovery value of monomer cell
When charging, the monomer cell reaches the protect value. The upper machine will prompt protect and stop charging
Remove the over voltage warning recovery value of monomer cell
When discharging, the monomer cell reaches the protect value. The upper machine will prompt protect and stop charging
Remove the under voltage warning recovery value of monomer cell
Monomer cell meets the requirements of turning on voltage
Cell voltage is too low to charge
When charging, the total pressure voltage reaches the warning value. The upper machine will prompt warning and do not stop charging
Remove the total pressure high voltage warning recovery value of monomer cell

When discharging, the total pressure voltage reaches the warning value. The upper machine will prompt warning and do not stop charging
Remove the total pressure low voltage warning recovery value of monomer cell
When charging, the total pressure voltage reaches the protect value. The upper machine will prompt protect and stop charging
Remove the total pressure overvoltage protection recovery value
When discharging, the total pressure voltage reaches the protect value. The upper machine will prompt protect and stop charging
Remove the total pressure undervoltage protection recovery value
BMS detects the charger voltage is too high, implements charging protection and stops charging
BMS detects the charger voltage reaches the protection recovery value
When charging,the cell temperature reaches the high temperature warning value. The upper machine will prompt warning and do not stop charging
Remove the cell high temperature warning recovery value of cell
When charging,the cell temperature reaches the low temperature warning value. The upper machine will prompt warning and do not stop charging
Remove the cell low temperature warning recovery value of cell
When charging,the cell temperature reaches the over temperature warning value. The upper machine will prompt warning and stop charging

Remove the recovery value of cell temperature over-temperature protection
When charging,the cell temperature reaches the under temperature protect value. The upper machine will prompt protect and stop charging
Remove the recovery value of cell temperature undertemperature protection
When discharging,the cell temperature reaches the high temperature protect value. The upper machine will prompt protect and do not stop charging
Remove the recovery value of cell temperature high temperature protection
When discharging,the cell temperature reaches the low temperature protect value. The upper machine will prompt protect and do not stop charging
Remove the recovery value of cell temperature low temperature protection
When discharging,the cell temperature reaches the overtemperature protect value. The upper machine will prompt protect and stop charging
Remove the recovery value of cell temperature over temperature protection
When discharging,the cell temperature reaches the undertemperature protect value. The upper machine will prompt protect and stop charging
Remove the recovery value of cell temperature under temperature protection
When the charger is online and the temperature of the cell is too low to reach the heating temperature, start the heating
Stop heating after the temperature of the cell recovers

When the ambient temperature reaches the high temperature warning value, the upper computer prompts the warning and does not stop charging and discharging
Remove the high temperature warning recovery value
When the ambient temperature reaches the low temperature warning value, the upper computer prompts the warning and does not stop charging and discharging
Remove the low temperature warning recovery value
When the ambient temperature reaches the over temperature warning value, the upper computer prompts the warning and does not stop charging and discharging
Remove the over temperature warning recovery value
When the ambient temperature reaches the under temperature warning value, the upper computer prompts the warning and does not stop charging and discharging
Remove the under temperature warning recovery value
When the power temperature reaches the high temperature warning value, the upper computer prompts the warning and does not stop charging and discharging
Remove the power temperature high temperature warning recovery value
When the power temperature reaches the over temperature warning value, the upper computer prompts the protect and stop charging and discharging
Remove the power temperature over temperature protection recovery value
When charging,the current is too large to reach the warning value.The upper machine will prompt warning and do not stop charging.

Remove the charging overcurrent warning recovery value
When discharging,the current is too large to reach the warning value.The upper machine will prompt warning and do not stop charging.
Remove the discharging overcurrent warning recovery value
When charging,the current is too large to reach the protect value.The upper machine will prompt protect and stop charging.
When discharging,the current is too large to reach the protect value.The upper machine will prompt protect and stop charging.
When discharging, the current reaches the secondary protection value, and the upper computer prompts the transient overcurrent protection to stop discharging
When BMS outputs and terminates the equipment, the equipment pulls the battery power, and BMS pre-charges the equipment to prevent short circuit protection
Set the battery rated capacity according to the battery capacity.

SOC
The differential pressure between the cell is large, and BMS will prompt that the differential pressure between the cell is invalid and not protected
Remove the recovery value of cell differential pressure failure
Equalization reaches the turning on voltage, and the differential pressure reaches the condition of turning on.
Unbalance start recovery value
When the BMS is not charged and discharged, the static equalization time exceeds a certain time, and the equalization
The number of electric cell strings is set according to the use of electric cell
When charging, the current is too large to reach the protection condition, and BMS stops charging protection according to the set delay time
When discharging,the current is too large to reach the protect value.BMS stops discharging protection according to the set delay time
When discharging, the current is too large to reach the secondary protection condition, and BMS stops discharging protection according to the set delay time
After BMS overcurrent protection, recover the charge and discharge delay again, and detect the external current after 60s
When the BMS has frequent overcurrent protection, the BMS is directly locked for more than a certain number of times and is not allowed to recover

This function is only effective when the passive current limiting is enabled. The main reason is that the BMS starts the passive current limiting meeting and detects the external current again after a certain period of time
This function is only used for home storage. The main reason is that after BMS undervoltage protection, the inverter can not detect the battery output, and the protection status is released by pressing the power button manually
This function is not used temporarily
This function is not used temporarily
BMS saves a piece of historical data for a certain period of time under charging and discharging conditions
BMS saves a piece of historical data for a certain time in standby mode
When the BMS is in standby mode for a long time, the BMS will enter standby shutdown mode. Enter zero power consumption state
If the SOC is lower than the warning value, the upper computer will prompt the warning and will not protect
If the SOC is lower than the protection value, the upper computer will prompt for protection and stop discharging
After overvoltage protection, BMS voltage reached the recovery value, and SOC did not meet the conditions. Do not resume charging, if the SOC is lower than the gap recharge capacity and the voltage reaches the recovery value, resume charging
In the case of continuous discharge of BMS, the SOC is discharged by more than 20%, and then transferred to charging. BMS will accumulate the number of cycles
Compensate the impedance between cells
The impedance between the compensation cell and the cell, and the corresponding string number can be set (1-9 sections)
Compensate the impedance between cells

The impedance between the compensation cell and the cell, and the corresponding string number can be set (10-16 sections)
Compensate the impedance between cells

The function switch can be enabled or disabled according to the requi enabled). Note: Charging and discharging voltage protection, current p disabled, otherwise BMS will not provide protection. Alarm function performar

function switch	function switch	
Voltage Sensor Failure	Voltage sensing failure	Open
Temperature Sensor Failure	Temperature sensing failure	Open
Current Sensor Failure	Current sensing failure	Open
Button Switch Failure	Key switch failure	Open
Cell Voltage Difference Failure	Cell differential failure	Open
Charging Switch Failure	Charging switch failure	Open
Discharging Switch Failure	Discharge switch failure	Open
Current Limit Switch Failure	Current limiting switch failed	Open
Single Cell High Voltage Alarm	Alarm - Monomer high voltage	Open
Single Cell Overvoltage Protection	Monomer overvoltage protection	Open
Single Cell Low Voltage Alarm	Alarm - Monomer low voltage	Open
Single Cell Undervoltage Protection	Monomer undervoltage protection	Open

Pack High Voltage Alarm	Alarm - High total voltage	Open
Pack Overvoltage Protection	Total_voltage overvoltage protection	Open
Pack Low Voltage Alarm	Alarm - Low total voltage	Open
Pack Undervoltage Protection	Total_voltage undervoltage protection	Open
Charging High Temperature Alarm	Alarm - High temperature charging	Open
Charging Overtemperature Protection	Protect - Over temperature charging	Open
Charging Low Temperature Alarm	Alarm - Low temperature charging	Open
Charging Undertemperature Protection	Protect - Under temperature charging	Open
Discharging High Temperature Alarm	Alarm - High temperature discharging	Open
Discharging Overtemperature Protection	Protect - Over temperature discharging	Open
Discharging Low Temperature Alarm	Alarm - Low temperature discharging	Open
Discharging Undertemperature Protection	Protect - Under temperature discharging	Open
Ambient High Temperature Alarm	Ambient high temperature alarm	Open

Ambient Overtemperature Protection	Protect - Ambient over-temperature	Open
Ambient Low Temperature Alarm	Ambient low temperature alarm	Open
Ambient Undertemperature Protection	Protect - Ambient low-temperature	Open
Power Overtemperature Protection	Protect - Power over-temperature	Open
Power High Temperature Alarm	Power high temperature alarm	Open
Cell Low Temperature Heating	Battery low temperature heating	Close
Secondary Disconnection Protection	Secondary tripping protection	Close
Charging Overcurrent Alarm	Alarm - High charging current	Open
Charging Overcurrent Protection	Charge overcurrent protection	Open
Discharging Overcurrent Alarm	Alarm - High discharging current	Open
Discharging Overcurrent Protection	Discharge overcurrent protection	Open
Transient Current Protection	Transient current protection	Open
Output Short Circuit Protection	Output short circuit protection	Open

Transient Overcurrent Lockout	Transient overcurrent locking	Close
Output Short Circuit Lockout	Output short circuit Locking	Open
Charging Overvoltage Protection	Charging high voltage protection	Open
Gap Compensation Function	Intermittent power supply function	Open
Remaining Capacity Alarm	Remaining capacity alarm	Open
Remaining Capacity Protection	Residual capacity protection	Open
Cell Undervoltage Prohibition during Charging	Low - voltage charge suppression of the cell	Open
Output Reverse Connection Protection	Output reverse connection protection	Close
Output Connection Failure	Output connection failure	Close
Output Soft Start Function	Output soft starting energy	Open
Charging Equalization Function	Charging equalization function	Open
Static Equalization Function	Static balancing function	Open
Timeout Prohibition of Equalization	Timeout forbidden equalization	Open

Overtemperature Prohibition of Equalization	Over - temperature equilibrium is forbidden	Open
Automatic Activation of Charging	Automatic activation charge	Open
Manual Activation of Charging	Manual activation charging	Close
Active Current Limit Charging	Active current limiting charge	Close
Passive Current Limit Charging	Passive current limiting charge	Open
Power On/Off Function	Switch off function	Close
Standby Power Off Function	Standby shutdown function	Open
Historical Record Function	Historical recording function	Open

LCD Display Function	LCD Display Function	Close
Bluetooth Communication Function	Bluetooth communication function	Close
Automatic Address Encoding	Automatic address coding	Close
External Parallel Polling	Parallel external polling	Close
Single Machine 1.0C Charging	Single BMS 1.0C charging	Open

rements (some functions require corresponding hardware to be rotection, temperature protection, and other functions cannot be ı is only for notification purposes, disabling it does not affect ıce.

explanation	explanation
Function temporarily unused	This function is not used temporarily
NTC open circuit, short circuit	NTC open circuit, short circuit
Function temporarily unused	This function is not used temporarily
Reset button stuck, BMS prompts failure	The reset button is stuck all the time, and the BMS will prompt the failure
Large voltage difference between battery cells, prompts failure	The pressure difference between the cells is large, indicating failure
Function temporarily unused	This function is not used temporarily
Function temporarily unused	This function is not used temporarily
Function temporarily unused	This function is not used temporarily
High alarm for single cell during charging	Single cell high alarm during charging
Overprotection of single cell during charging, charging stopped	During charging, the monomer battery cell is over-protected and stops charging
Low alarm for single cell during discharging	Low warning of monomer cell during discharge
Underprotection of single cell during discharging, discharging stopped	During discharging, the monomer battery cell is under-protected and stops discharging

High alarm for total cell voltage during charging	High warning of total cell during charge
Overprotection of total cell voltage during charging, charging stopped	During charging, the total battery cell is over-protected and stops charging
Low alarm for total cell voltage during discharging	Low warning of total cell during discharge
Underprotection of total cell voltage during discharging, discharging stopped	During discharging, the total battery cell is under-protected and stops discharging
High alarm for cell temperature during charging	Warning of high cell temperature during charging
Overprotection of cell temperature during charging, charging stopped	During charging, the battery cell is over-protected and stops charging
Low alarm for cell temperature during charging	Warning of low cell temperature during charging
Underprotection of cell temperature during charging, charging stopped	During charging, the battery cell is over-protected and stops charging
High alarm for cell temperature during discharging	High cell temperature warning during discharge
Overprotection of cell temperature during discharging, discharging stopped	When discharging, the temperature of the electric cell is over protected and the discharge is stopped
Low alarm for cell temperature during discharging	Low cell temperature warning during discharge
Underprotection of cell temperature during discharging, discharging stopped	When discharging, the temperature of the electric cell is under protected and the discharge is stopped
High alarm for environmental temperature	Warning when the ambient temperature reaches high

Overprotection of environmental temperature, charging and discharging stopped	Stop charging and discharging when the ambient temperature reaches over-protection
Low alarm for environmental temperature	Low ambient temperature warning
Underprotection of environmental temperature, charging and discharging stopped	Stop charging and discharging when the ambient temperature reaches under-protection
Overprotection of power temperature, charging and discharging stopped	Stop charging and discharging when the power temperature reaches over-protection
High alarm for power temperature	High power temperature warning
Hardware requirements must be confirmed before enabling this function. Default without heating hardware	Before turning on this function, you must confirm whether the hardware meets the requirements. Default without heating hardware
Hardware requirements must be confirmed before enabling this function. Default without second-level trip hardware	Before turning on this function, you must confirm whether the hardware meets the requirements. Default without secondary tripping hardware
High alarm for current during charging	Excessive current warning during charging
Overprotection of current during charging, charging stopped	During charging, over-current protection, stop charging
High alarm for current during discharging	Excessive current warning during discharging
Overprotection of current during discharging, discharging stopped	During discharging, over-current protection, stop charging
Secondary protection activated during discharging, discharging stopped	When discharging, the current reaches secondary protection and the discharge stops
Output short circuit occurred, output closed. Automatically restored after 60 seconds or when charging is removed	The output terminal is short-circuited and the output is closed. 60S automatic recovery or charging release.

Continuous occurrence of secondary protection during discharging, BMS locked and does not recover. Generally closed	If the secondary protection occurs continuously during the discharge, the BMS will be locked and not recovered. General shutdown
Continuous occurrence of short circuit protection on the output side, BMS locked and does not recover	The BMS will lock and not recover if the output terminal continues to have short circuit protection
Overvoltage protection for charger	Charger over-voltage protection
After overvoltage protection, SOC decreases and resumes charging	After charging overvoltage protection, the SOC decreases to the recovery value. Resume charging
Low capacity alarm	Low capacity warning
Underprotection of capacity, output closed	Low capacity protection, closing output
Prohibited from charging due to low cell voltage	Do not charge if the battery cell is too low
This function is temporarily not supported	This function is not used temporarily
Function temporarily unused	This function is not used temporarily
BMS pre-charges the device when connected to the output	When the output terminal is connected to the device, BMS will pre-charge the device
Balance is activated during charging when the balance opening conditions and voltage difference conditions are met	When charging, when the equalizing opening condition is reached and the pressure difference reaches the condition, the equalizing is started
Balance is activated during standby when the balance opening conditions and voltage difference conditions are met	In standby, when the equalizing opening condition is reached and the differential pressure reaches the condition, the equalizing is started
Balance stops after a certain period of time during standby	In standby mode, balance is stopped after a certain time

BMS does not balance when the temperature is too high. This temperature is based on the environmental temperature alarm value	When the temperature is too high, the BMS is unbalanced. This temperature is based on the ambient temperature alarm value
After "Undervoltage Protection" or "Remaining Capacity Protection," wait for the "Charging Activation Interval" set value time and forcibly output for 60 seconds to activate the charger. If the charger cannot be activated, close the output and continue waiting	After "undervoltage protection" or "residual capacity protection", wait for the setting time of "charging activation interval" to expire, and force the output for 60 seconds to activate the charger. If the charging fails to be activated, turn off the output and continue to wait
After discharging undervoltage protection, BMS closes the output. Manually force the activation of BMS to clear the protection state. Generally used for home energy storage, the inverter needs to detect the port voltage for charging	After discharging the undervoltage protection, BMS turns off the output. The BMS is forced to activate manually, and the BMS clears the protection status. Generally used for home storage, the inverter can only be charged after detecting the port voltage
With this function enabled, BMS limits the current to 10A regardless of the external current during charging	When this function is turned on, the BMS limits the 10A current regardless of the external current
With this function enabled, if the charging current reaches the charging overcurrent alarm, BMS activates current limiting	When this function is turned on, the charging current reaches the charging over-current alarm, and the BMS starts to limit the current
This function is enabled by an external switch, which is a self-locking switch	Use an external switch to turn on this function, which is a self-locking switch
Battery is in standby for a long time, reaches a certain time, and BMS shuts down and sleeps	The battery is standby for a long time, and the BMS shuts down and sleeps after reaching a certain time
This function is used to save BMS occurrence status, alarms, and protections. BMS will save the data	This function is to save the status of BMS or the data of BMS in case of alarm and protection

When this function is enabled, an external LCD display screen can be connected	When this function is turned on, the external LCD display can be connected
When this function is enabled, a Bluetooth function module is required	When this function is turned on, the Bluetooth function module is required
When this function is enabled, parallel connection wiring needs to follow the automatic coding method	When this function is turned on, parallel wiring needs to follow the automatic coding mode
When this function is enabled, automatic dip switches are used for parallel connection without a host	When this function is turned on, the automatic code dialing will be paralleled in the non-host mode
When this function is enabled, the standalone request charging current during communication with the inverter is the charging overcurrent alarm value minus 10A	When this function is turned on, the charging current requested by the single machine is the charging overcurrent alarm value - 10A when communicating with the inverter