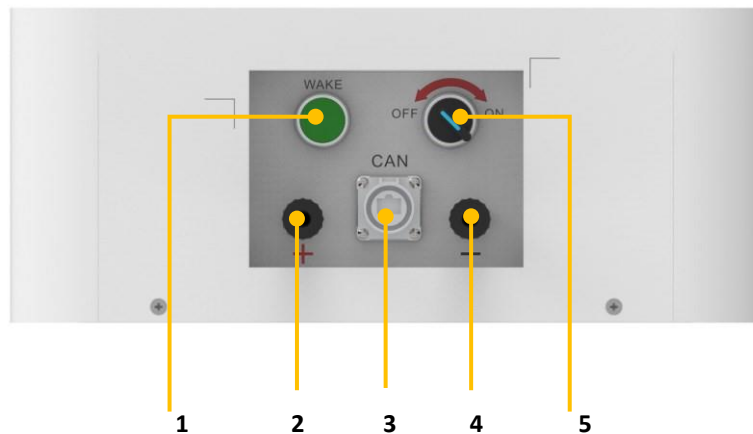


Specification of TOWER

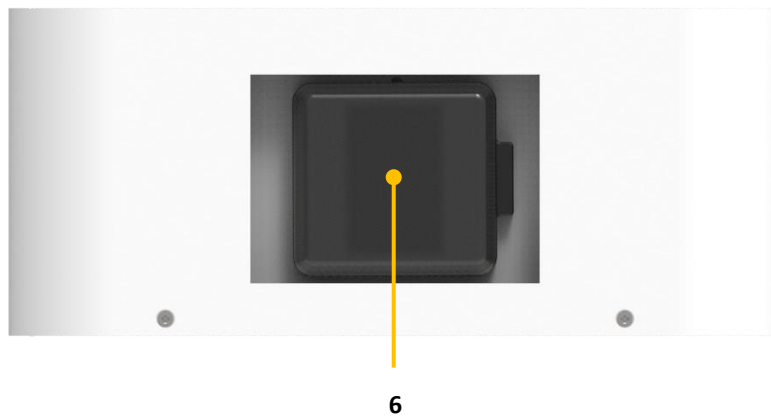


1. Front Panel of BDU module

BDU right interface



BDU left interface



BDU bottom interface



Table 2-2 Interface Definition

Item	Name	Definition
1	Power Wake Button	Long press this button 5S to start the battery system
2	External Positive socket	Connect battery system with Inverter positive terminal
3	EXT-CAN Communication Port	RJ45 communication port between the battery system and inverter
4	External Negative socket	Connect battery system with Inverter negative terminal
5	Power On switch	Turn on the switch to power the BMS system
6	DC Breaker	The master switch of the battery system,you must switch on it before switching on power on&power wake switch; Short circuit protection.
7	Composite connector-Socket	Battery module output and communication interface

2. Alarms and protection

Note: "N" in the table is HV9637 Battery Module

Quantity

No.	Item		Default value	Remark
1	High charging voltage protection and recovery	Alarm value	105V*N	
		Alarm recovery value	102V*N	
		Protection value	109.5V*N	
		Protection recovery value	104V*N	
2	Low discharging voltage protection	Alarm value	87V*N	
		Alarm recovery value	93V*N	
		Protection value	76.5V*N	
		Protection recovery value	84V*N	
3	Low cell voltage protection and recovery	Alarm value	2.9V	
		Alarm recovery value	3.1V	
		Protection value	2.55V	

		Protection recovery value	2.8V	
4	High cell voltage protection and recovery	Alarm value	3.55V	
		Alarm recovery value	3.5V	
		Protection value	3.6V	
		Protection recovery value	3.45V	
5	Charging over	Alarm value	40A	

No.	Item		Default value	Remark
	current protection	Alarm recovery	After the alarm, restored when the current release or if there is a discharging current recovery.	
		Protection value	50A	
		Protection recovery	After protection, restored in 1s delay or immediately when there is discharging current.	
6	Discharging over current protection	Alarm value	40A	
		Alarm recovery	After the alarm, restored when the current release or if there is a charging current recovery.	
		Protection value	50A	
		Protection recovery	After protection, restored in 1s delay or immediately when there is charging current.	
7	Cell over temperature protection and recovery	Charging alarm value	55°C	
		Charging alarm recovery value	54°C	
		Charging protection value	60°C	
		Charging protection	59°C	
		Recovery value		
		Discharging alarm value	55°C	
		Discharging alarm recovery value	54°C	

		Discharging protection value	60°C	
		Discharging protection recovery value	59°C	
8	Cell low temperature protection and recovery	Discharging alarm value	0°C	
		Discharging alarm recovery value	1°C	
		Discharging protection value	-10°C	
		Discharging protection	-9°C	
		recovery value		
		Charging alarm value	0°C	Charging current limit below 0°C will drop to 0A
		Charging alarm recovery value	1°C	
		Charging protection value	0°C	
		Charging protection recovery value	2°C	

3. Communication port

Figure 4-1 CAN interface definition

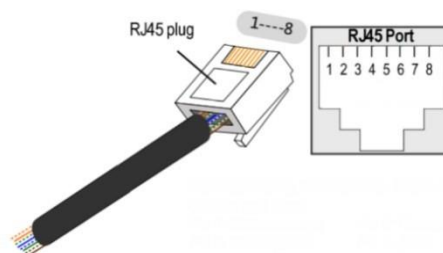




Table 4-1 BDU CAN Pin Definition

Foot position	Color	Definition
PIN1	Orange/white	Reserve
PIN2	Orange	XGND
PIN3	Green/white	Reserve
PIN4	Blue	CANH
PIN5	Blue/white	CANL
PIN6	Green	Reserve
PIN7	Brown/white	Reserve
PIN8	Brown	Reserve

