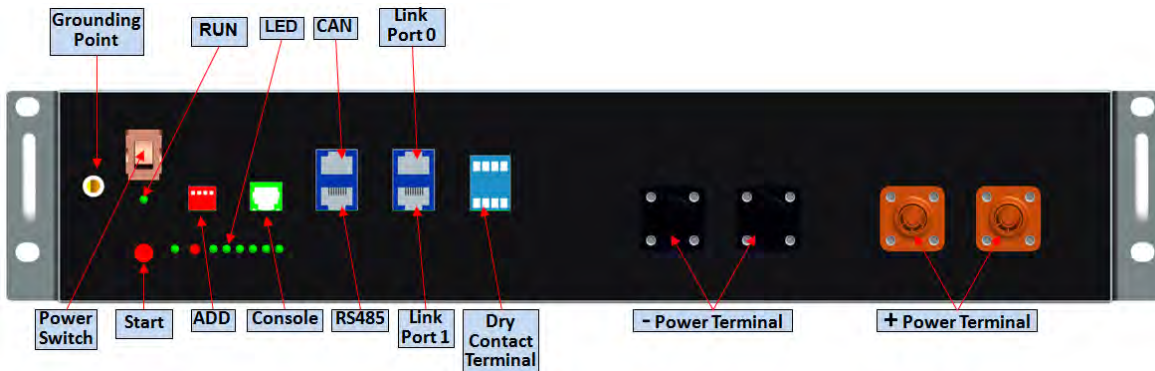


2.3 Equipment Interface Instruction

This section details the front and back panel of the interface functions.

US2000 (Version B) Product Front Interface



Power Switch

Power Switch: to turn ON/OFF the whole battery BMS standby, no power output.

ON/OFF

ON/OFF light: green LED lighting to show the Power Switch is ON, and the BMS has electricity (No power).

RUN

RUN light: green LED flashing to show the battery is running.

Alarm

Alarm light: red LED flashing to show the battery has alarm, and lighting to show the battery is under protection.

SOC

SOC light: green LEDs to show the battery's current capacity.

Start

Start Button: press more than 0.5s to start the battery module, Power output ready.

ADD Switch (5)

ADD Switch: 4 ADD switches, to definite different baud rate. Nether position is OFF, means "0". Upper position is ON, means "1". "0000" setup the baud rate 115200, and "1000" setup the baud rate 9600.



Console

Console Communication Terminal: (RJ11 port) follow RS232 protocol, for manufacturer or professional engineer to debug or service.

CAN

CAN Communication Terminal: (RJ45 port) follow CAN protocol, for output batteries information.

RS485

R485 Communication Terminal: (RJ45 port) follow RS485 protocol, for output batteries information.

Link Port 0, 1

Link Port 0, 1 Communication Terminal: (RJ45 port) follow RS485 protocol, for communication between multiple parallel batteries.

Definition of RJ45 Port Pin

No.	RS485 Pin	CAN Pin
1	RS485B	--
2	RS485A	GND
3	GND	--
4		CANH
5		CANL
6	GND	--
7	RS485A	--
8	RS485B	--



Definition of RJ11 Port Pin

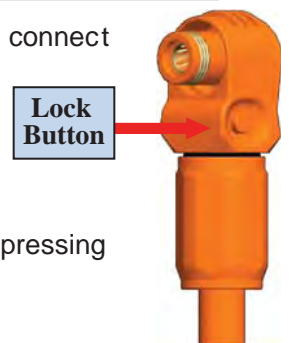
No.	RS 232 Pin
1	GND
2	TXD
3	RXD
4	GND



Power Terminals

Power cable terminals: there are two pair of terminals with same function, one connect to equipment, the other one paralleling to other battery module for capacity expanding. For each single module, each terminal can achieve charging and discharging function.

For power cables uses water-proofed AMPHENOL connectors. It must keep pressing this Lock Button during pulling out the power plug.





Pylon Technologies Co., Ltd.

No.73,Lane 887, Zu Chongzhi Road, Zhangjiang Hi-Tech Park Pudong,
Shanghai 201203, China

Dry Contact Terminal

Dry Contact Terminal: provided 1 way input and 3 ways output dry contact signal.

LED Status Indicators

- ✧ RUN Lamp (No.6 Figure 2-1): green, long lighting when charging and flash when discharging;
- ✧ ALM Lamp (No.7 Figure 2-1 7): red, flashes when alarm and long bright if equipment failure or protected;
- ✧ Battery capacity indicator (No.8 Figure 2-1): 6 green lamps, each light represent 16.6% capacity.

LED Indicators Instructions

Battery Statuses	Protection / Alarm / Normal	RUN	ALM	Capacity LED						Descriptions
		●	●	●	●	●	●	●	●	
Shut Down		Off	Off	Off	Off	Off	Off	Off	Off	All off
Standby	Normal	Flash1	Off	Off	Off	Off	Off	Off	Off	Indicates Standby
Charge	Normal	Light	Off	Based on capacity						The highest capacity indicator LED flashes (flash 2), others lighting
	Protection	Off	Light	Off	Off	Off	Off	Off	Off	Stop charging, ALM lighting
Discharge	Normal	Flash3	Off	Based on capacity						Indicate based on capacity
	Protection	Off	Light	Off	Off	Off	Off	Off	Off	Stop discharging, ALM lighting

Note: The flashing instructions, flash 1 - light 0.25s / off 3.75 seconds; flash 2 - 0.5s light / 0.5s off; flash 3 - 0.5s light / 1.5s off