4. Battery operation indicator
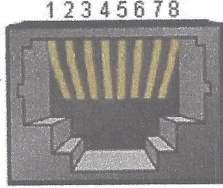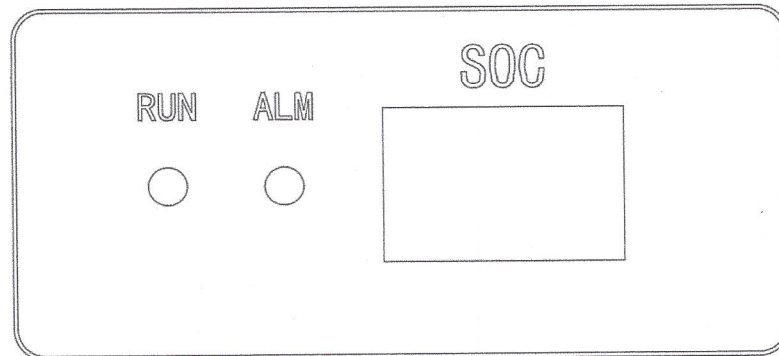
As shown in the figure below,"RUN"is the normal working indicator."ALM"is running alarm indicator,"SOC"is remaining battery, shown as percentage.


5. Communication interface definition

As shown in the figure below,"PCS"is the communication interface of the inverter, there is CAN and RS485 communication，"CAN" is used for parallel communication between batteries，"Debug"is used for battery debugging and parallel communication between batteries.
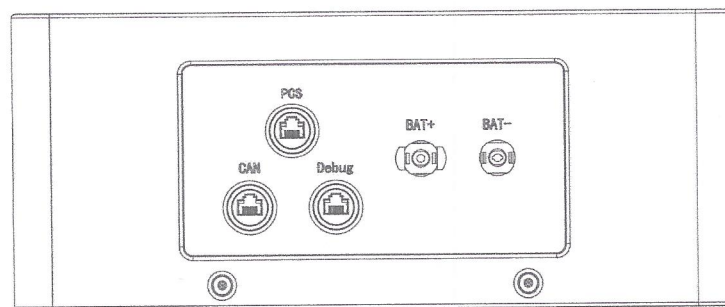
RJ-45 Connector		CAN		PCS		CAN debug	
		RJ45 pin	Definition	RJ45 pin	Definition	RJ45 pin	Definition
1 2 3 4 5 6 7 8		1	CAN0_H	1	NC	1	CAN0_H
		2	CAN0_L	2	NC	2	CAN0_L
		3	CAN1_G	3	CAN1_G	3	CAN1_G
		4	CAN1_H	4	CAN1_H	4	CAN1_H
		5	CAN1_L	5	CAN1_L	5	CAN1_L
		6	DIG_IN2	6	HSS8	6	NC
		7	GND	7	485A	7	NC
		8	GND	8	485B	8	NC

5.9.1 Multifunctional Communication Port

Please refer to the following table for the specific PIN assignments.

Type A or type B
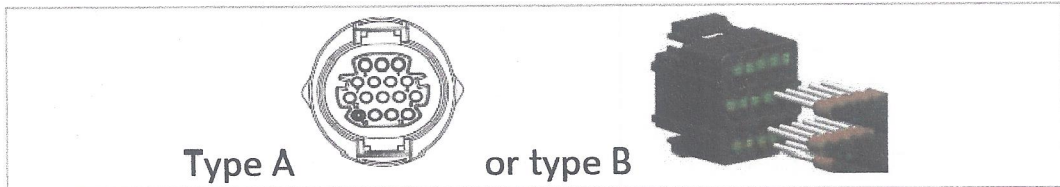
Function	Pin	Definition	Note
Inverter monitoring and system control through Modbus RTU	1	RS485 A1-1	RS485 Signal+
	2	RS485 A1-2	RS485 Signal +
	3	RS485 B1-1	RS485 Signal -
	4	RS485 B1-2	RS485 Signal -
Energy meter port	5	RS485 A2	RS485 Signal +
	6	RS485 B2	RS485 Signal -
Communication with battery management system (automatically identifying CAN or RS485 bus)	7	CAN0_H	CAN high data
	8	CAN0_L	CAN low data
	9	GND.S	BMS communication GND
	10	485TX0+	RS485 Signal +
	11	485TX0-	RS485 Signal -
Temperature measurement for batteries without BMS (for example lead acid)	12	GND.S	Signal GND
	13	BAT-Temp	Battery temperature sampling
Switch output	14	DCT1	Switch output 1
	15	DCT2	Switch output 2
12 V power supply	16	VCC	Max. 400 mA / 5 W

HYD 5K...20KTL-3PH