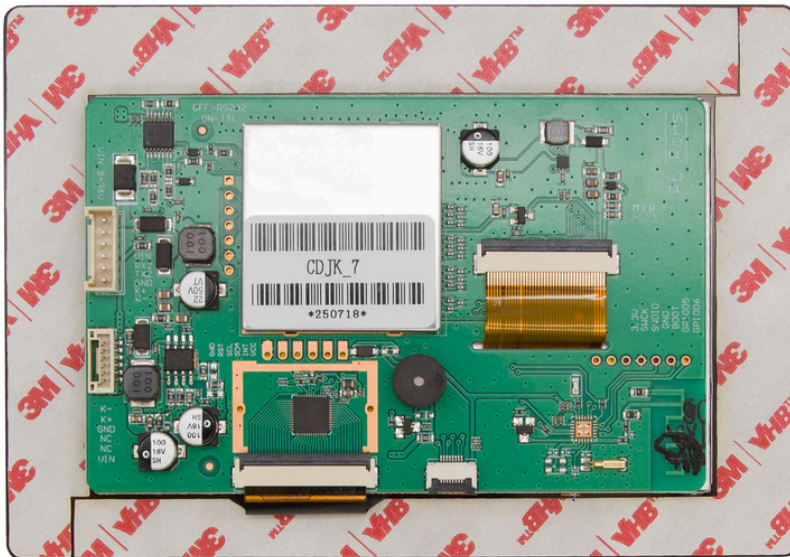
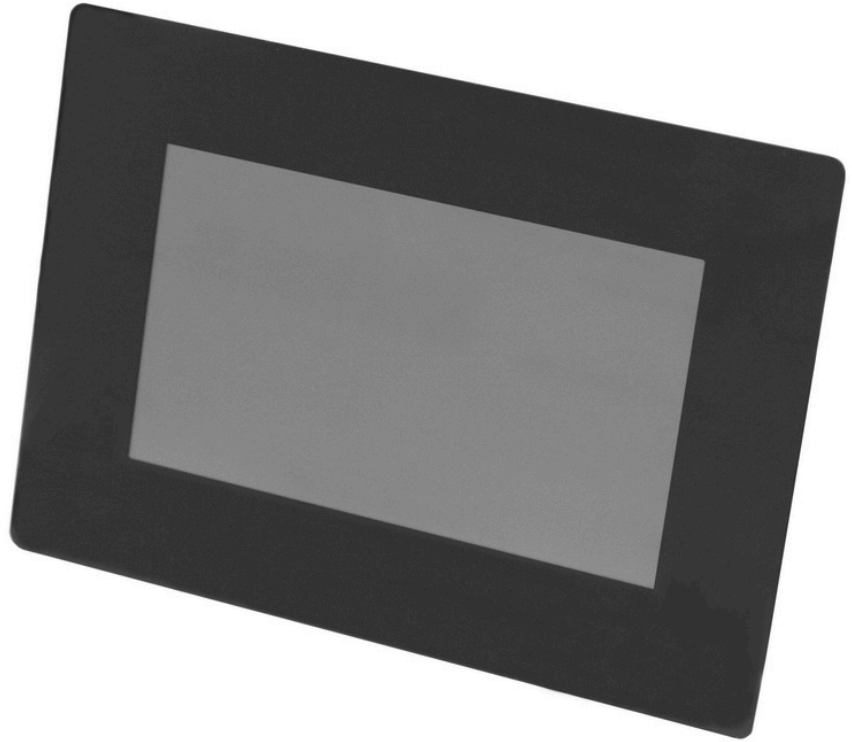


7-inch display screen

LCD-7.0-TTL-P

Operation and maintenance manual



(Product features and appearance)

:(Product features)

Support wide power supply working range: default 9~36V;

Display content: battery total voltage, battery power, single series voltage display;

Supports TTL/CMOS levels with a maximum baud rate of 921600bps;

Chinese/English/Thai/Vietnamese switchover is supported;

Support display interface customization: language customization, logo customization, interface customization.

Display appearance



(External interfaces)



User interface: Used for power supply and serial port signal connection, socket type

HY2.0mm-6P vertical stick

Key extension interface: Used to control BMS startup and shutdown, socket type GH1.25-6P v

TF Card Interface: Connects a TF card for offline download and interface translation

(Specification parameters)

(Population

parameter)

(Parameter)	(Data)
(Display category)	TFT
(Display size)	(7-inch)
(Size/Resolution)	1024 * 600
(Backlight type/brightness)	LED / 200 cd/m ²
(Viewing Angle L/R/U/D)	60°/60 /50 /40° °
(Operating Temperature/Storage Temperature)	-10~+60°C20~+70 °C

(Power supply)

(Parameter)	(Min)	(Max)
Supply voltage (with power reverse protection)	9V	36V
(Power dissipation)	2.7W (12V@225mA)	

.(Pin definition)

The user interface on the display side adopts a HY2.0 mm-6P vertical mount (see Section 1.3 for pin order).

(Number)	(Name)	(Definition)	(Number)	(Name)	(Definition)
1	K-	(Activation signal negative electrode)	4	TXD	(Serial Port Output)
2	K+	(Activate the positive signal)	5	RXD	(Serial Port Input)
3	GND	(GND)	6	VIN	(Power Supply)

The key expansion interface on the display side adopts an GH1.25-6P vertical mount (see Section 1.3 for pin order).

(Number)	(Name)	(Definition)	(Number)	(Name)	(Definition)
1	K-	(Activation signal negative electrode)	4	TXD	(Serial Port Output)
2	K+	(Activate the positive signal)	5	RXD	(Serial Port Input)
3	GND	(GND)	6	VIN	(Power Supply)

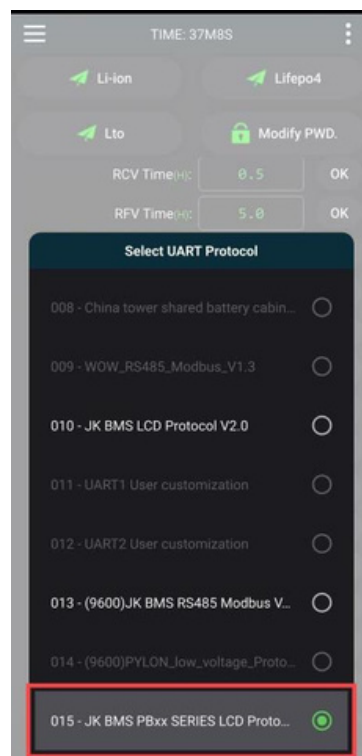
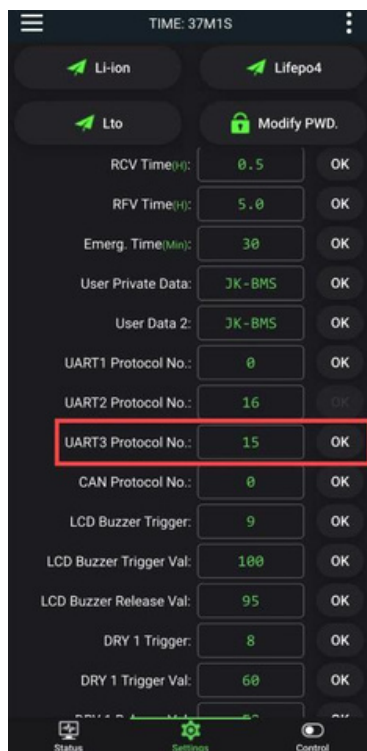
(Operating environment and reliability parameters)

(Parameter)	(Test environment) 12V	(Min)	(Typ)	(Max)	(Unit)
(Operating temperature)	(At 12V voltage, the humidity is 60%)	-10	-	60	°C
(Storage temperature)	-	-20	-	70	°C
(Operating humidity)	25°C	10%	60%	90%	RH

(Operation instruction)

(APP operation Instructions)

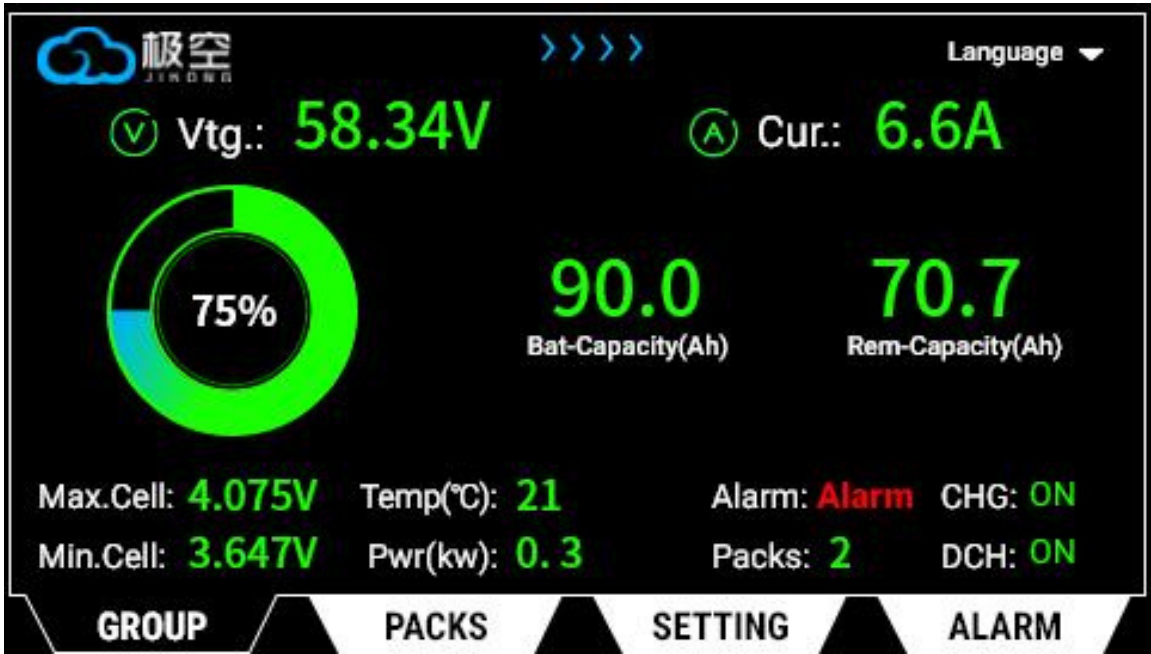
Open the JiKong BMS APP, and change the "Serial port 3 protocol" to "015-JK BMS PBxx SERIES LCD Protocol V1.0" on the "Parameter Setting" page.



(Display interface operation description)

(Battery interface)

The battery string screen displays the current voltage and current of the battery string, the number of online battery packs, the charging and discharging status of the entire battery string, and the highest and lowest cell temperature.

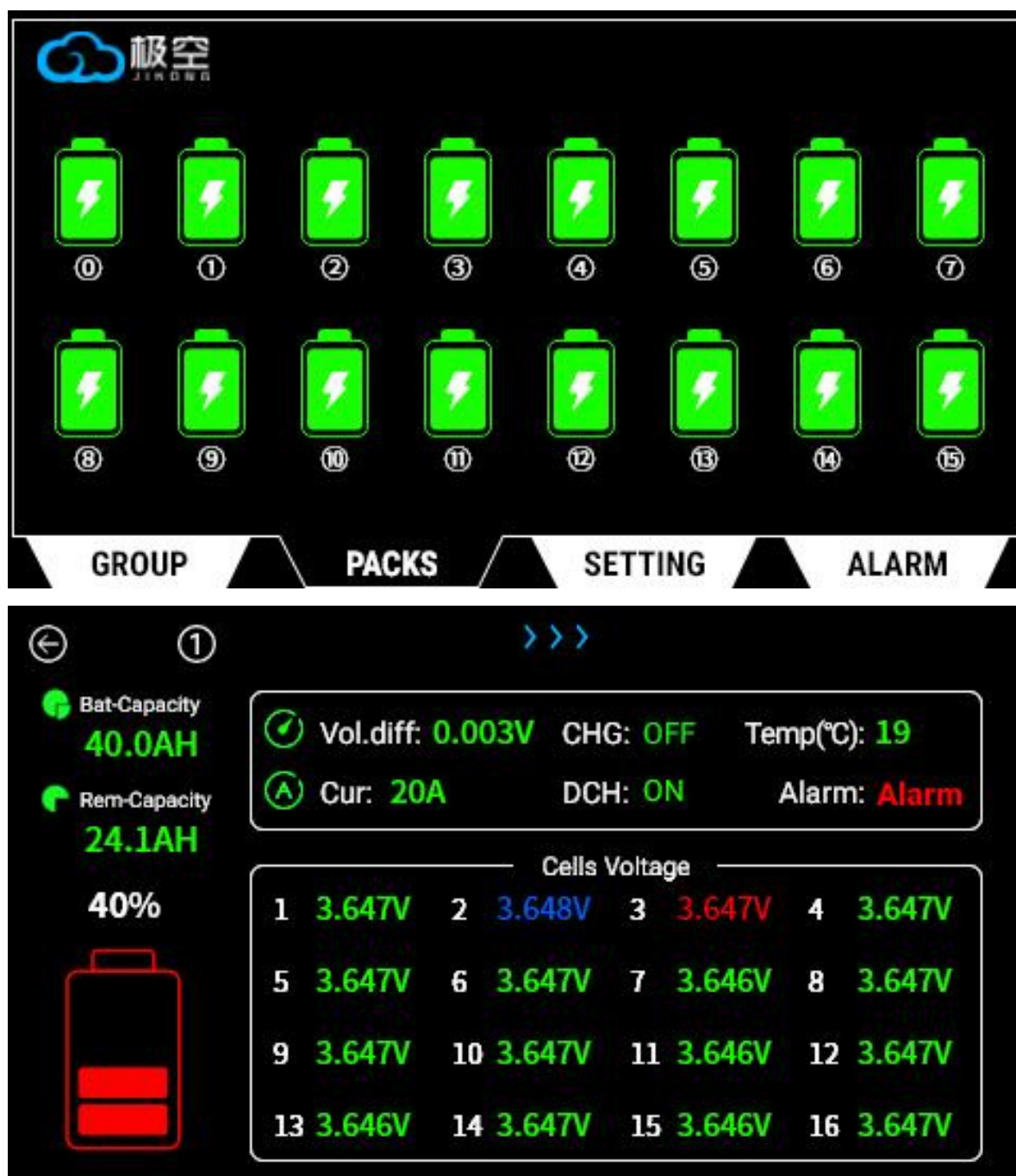


(Battery pack interface)

In parallel mode, by selecting the battery pack, you can display different battery pack design

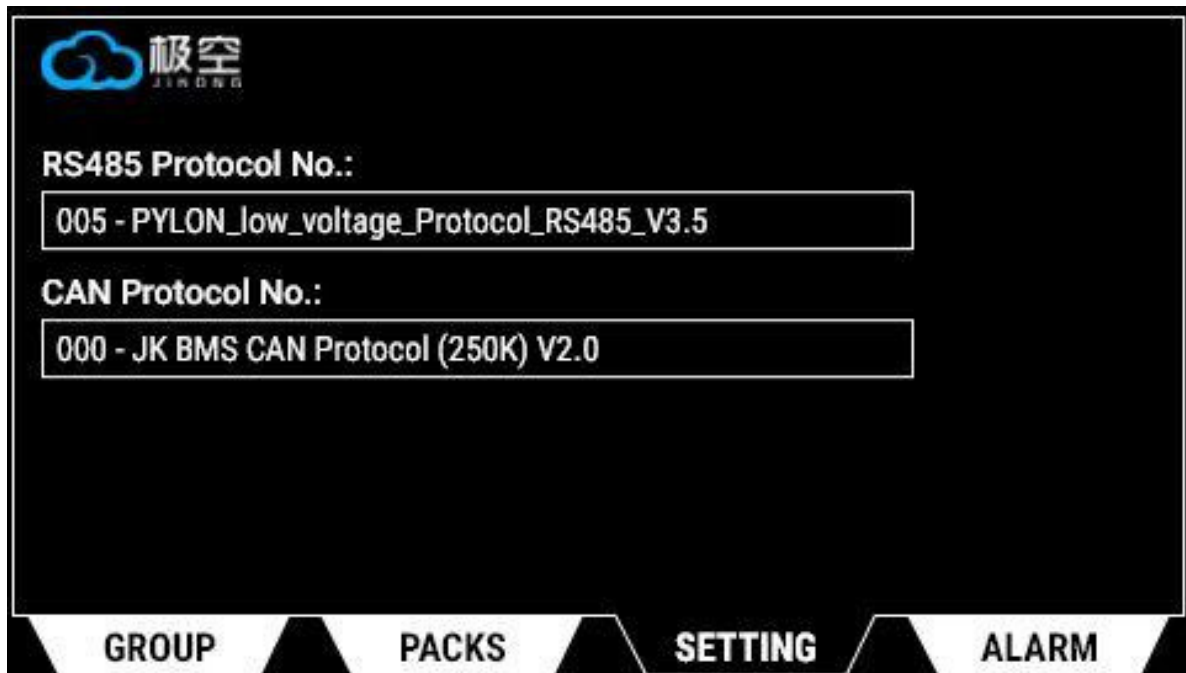
capacity, remaining capacity, charging and discharging status of each battery pack, voltage of

each cell and other parameters, up to 16 battery packs can be displayed.

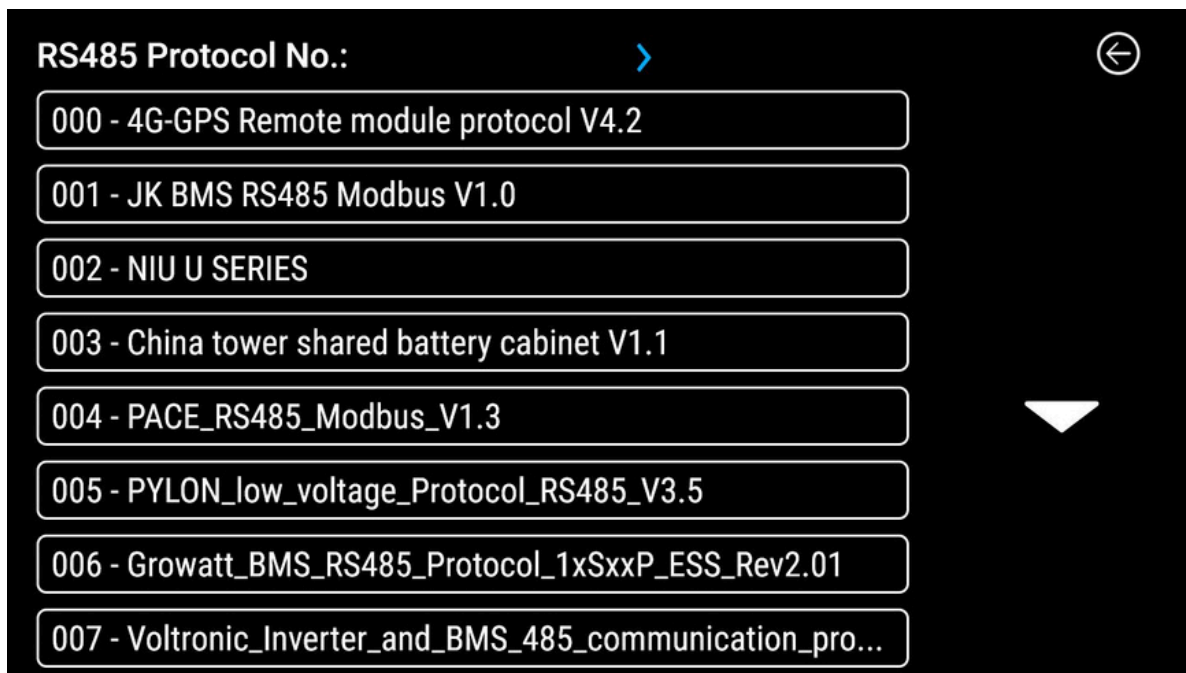


(Protocol selection interface)

Through protocol selection, you CAN select the corresponding 485 protocol and CAN protocol, so as to select the appropriate communication protocol for communication.



485 协议选择(485 Protocol Selection)



RS485 Protocol No.:

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⏪

008 - China tower shared battery cabinet V2.0

009 - WOW_RS485_Modbus_V1.3

010 - JK BMS LCD Protocol V2.0

011 - UART1 User Customization

012 - UART2 User Customization

013 - (9600)JK BMS RS485 Modbus V1.0

014 - (9600)PYLON_low_voltage_Protocol_RS485_V3.5

015 - JK BMS PBxx SERIES LCD Protocol V1.0

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(CAN Protocol Selection)

CAN Protocol No.:

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⏪

000 - JK BMS CAN Protocol (250K) V2.0

001 - Deye Low-voltage hybrid inverter CAN communication ...

002 - PYLON-low-voltage-V1.2

003 - Growatt BMS CAN-Bus-protocol-low-voltage_Rev_05

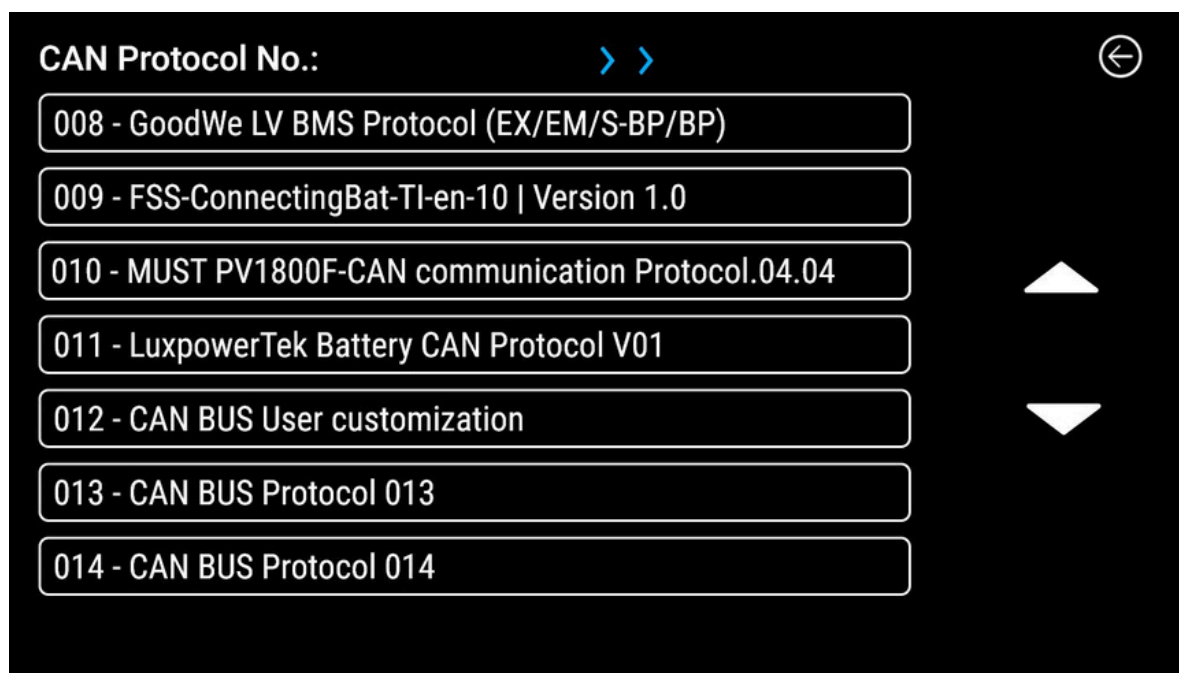
004 - Victron_CANbus_BMS_protocol_20170717

005 - MEGAREVO_Hybird_BMSCAN_Protocol

006 - JK BMS CAN Protocol (500K) V2.0

007 - INVT BMS CAN Bus protocol V1.02

▼

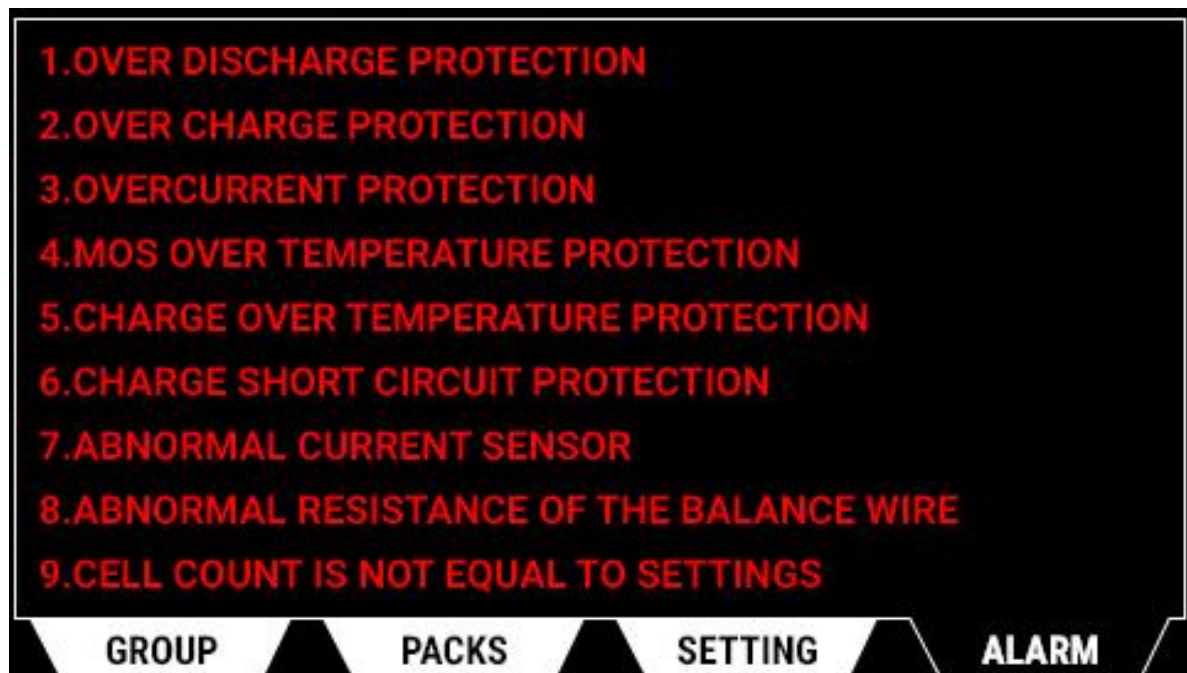


i(Fault alarm interface)

Fault Code Display: When this icon lights up, the number shown below is the fault code.

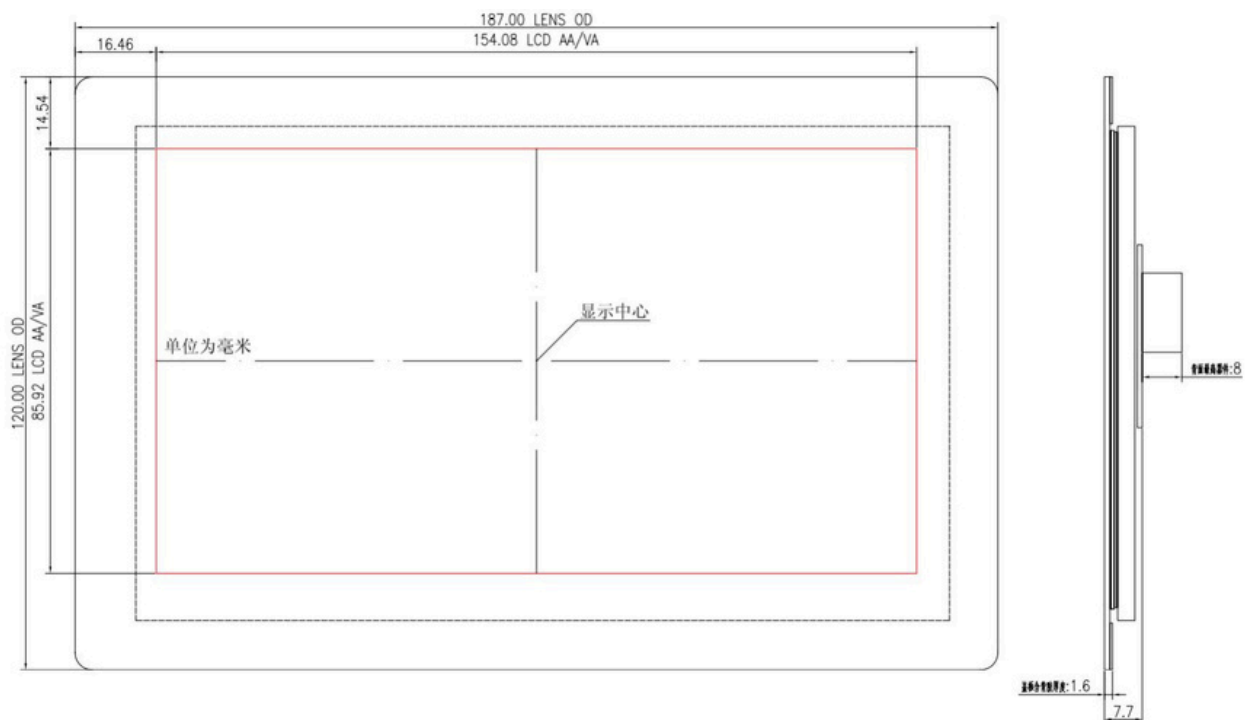
The fault code comparison table is as follows.

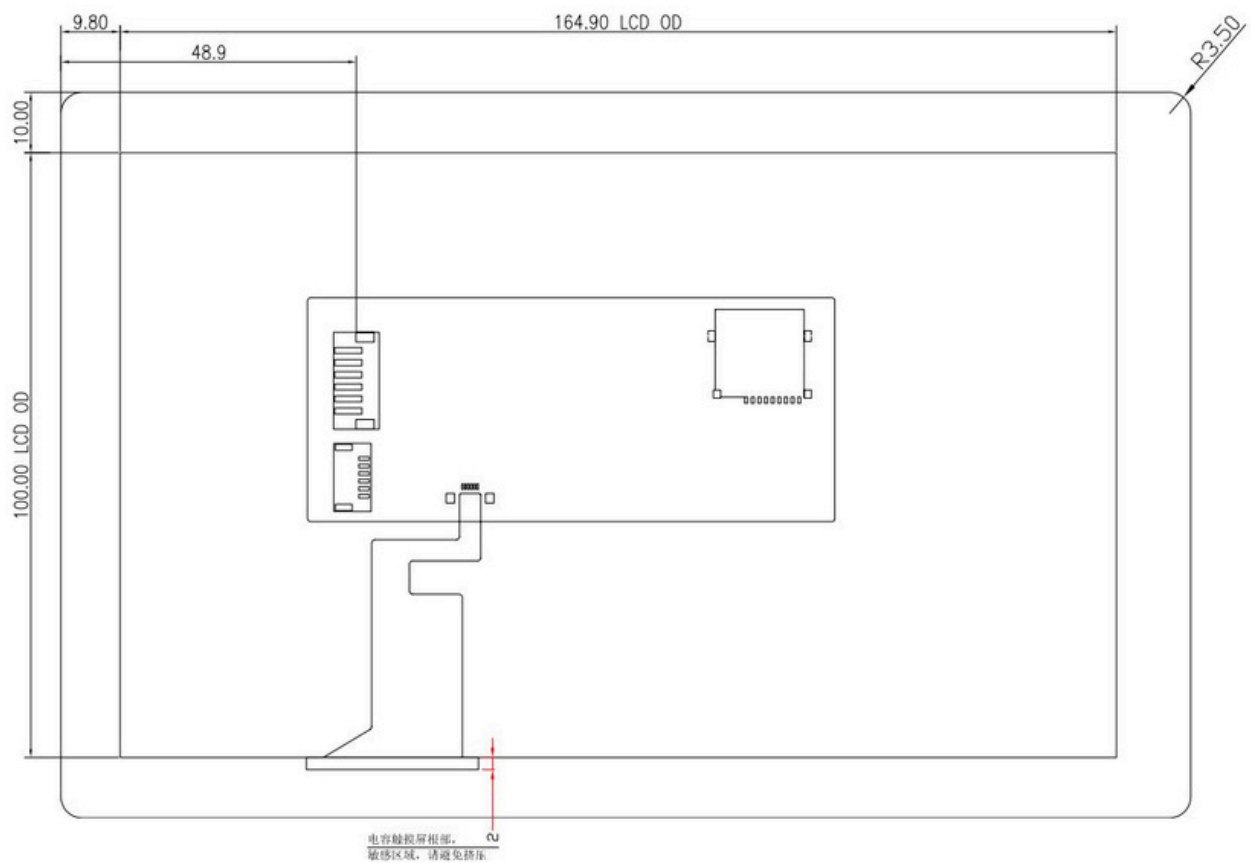
Fault code	Alarm description	Fault code	Alarm description
1	Single cell undervoltage alarm	6	Short circuit alarm
2	Single cell overvoltage alarm	7	Internal communication failure alarm
3	Overcurrent alarm	8	Balancing line resistance too high alarm
4	MOS overtemperature alarm	9	Cell string loss
5	Battery overtemperature alarm		



(Product size)

(Display size)





(Cable diagram)

The standard cable length is 0.5 meters, and can be customized if necessary

(Total length 0.5 meters)

