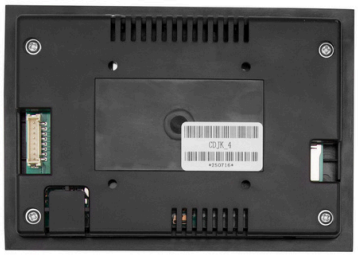
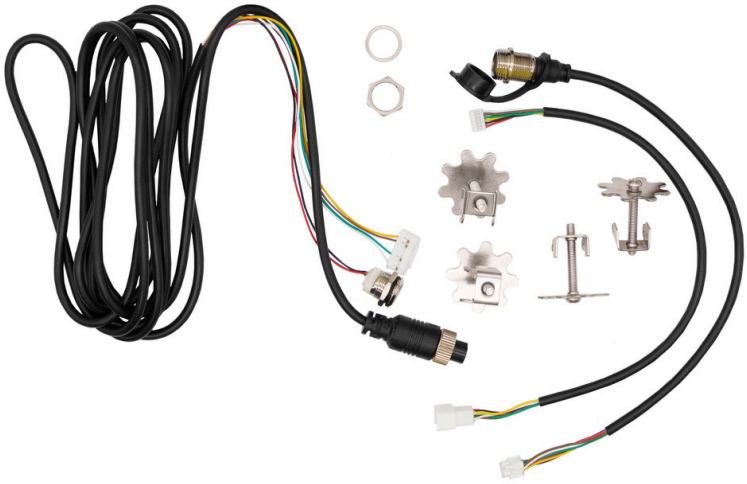
4.3-inch display screen

LCD-4.3-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;

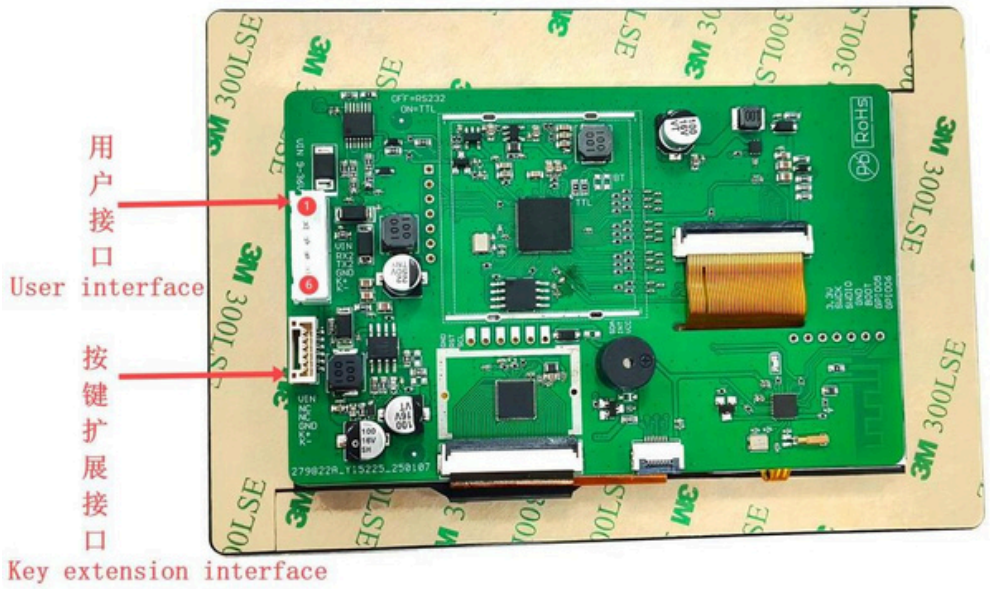
TTL level supported, baud rate default 115200bps;

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 A1254WF-6A vertical sticker

(Specification parameters)

(Population parameter)

(Parameter)	(Data)
(Display category)	TFT
(Display size)	(4.3-inch)
(Size/Resolution)	480*272
(Backlighttype/brightness)	LED/300nit
L/R/U/D(Viewing Angle L/R/U/D)	85° /85°/85 /85 °
(Operating Temperature /Storage Temperature)	-20~+70℃/-30~+80℃

(Power supply)

(Parameter)	(Min)	(Max)
Supply voltage (with power reverse protection)	9V	36V
(Power dissipation)	1.32W （12V@110mA）	

(Pin definition)

The display end interface adopts HY2.0 mm-6P vertical mount (see pin sequence in section 1.3).

(Number)	(Name)	(Definition)	(Number)	(Name)	(Definition)
1	K-	(Activation signal negative electrode)	4	TTL-RX	UART_RX,5V
2	K+	(Activate the positive signal)	5	TTL-TX	UART_TX,5V
3	GND	(Negative terminal)	6	VCC	(Display power output)

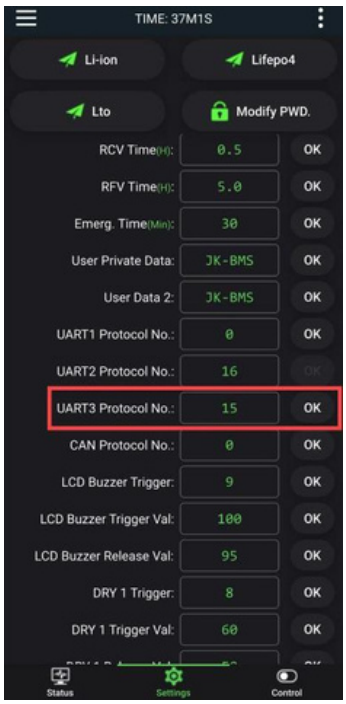
(Operating environment and reliability parameters)

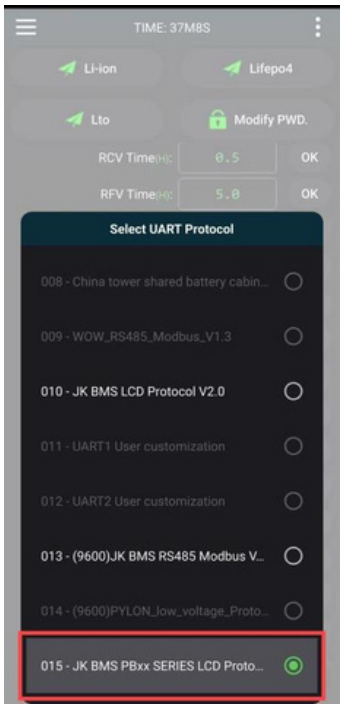
(Parameter)	(Test environment) 12V	(Min)	(Typ)	(Max)	(Unit)
(Operating temperature)	(At 12V voltage, the humidity is 60%)	-20	-	70	℃
(Storage temperature)	-	-30	-	80	℃
(Operating humidity)	25℃	10%	60%	90%	RH

(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.

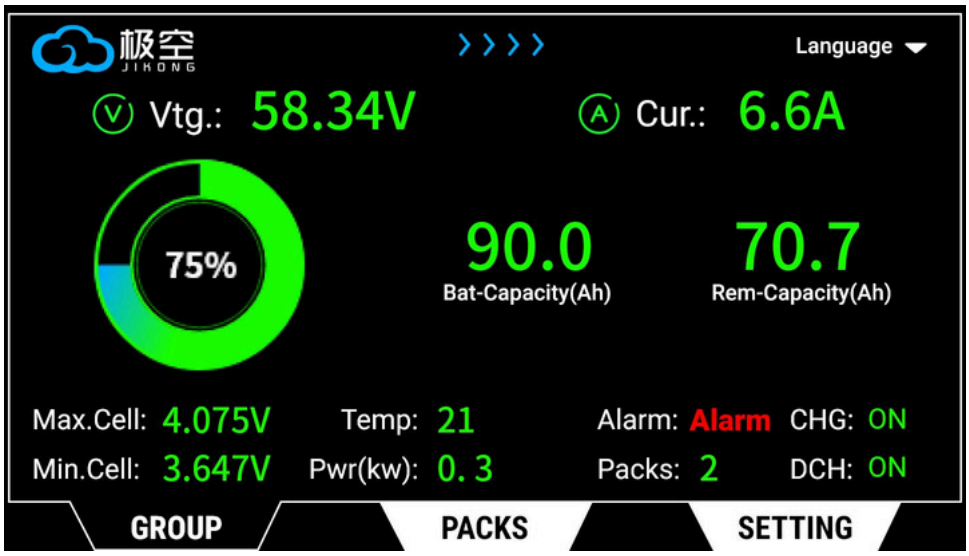




(Display interface operation description)

(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.

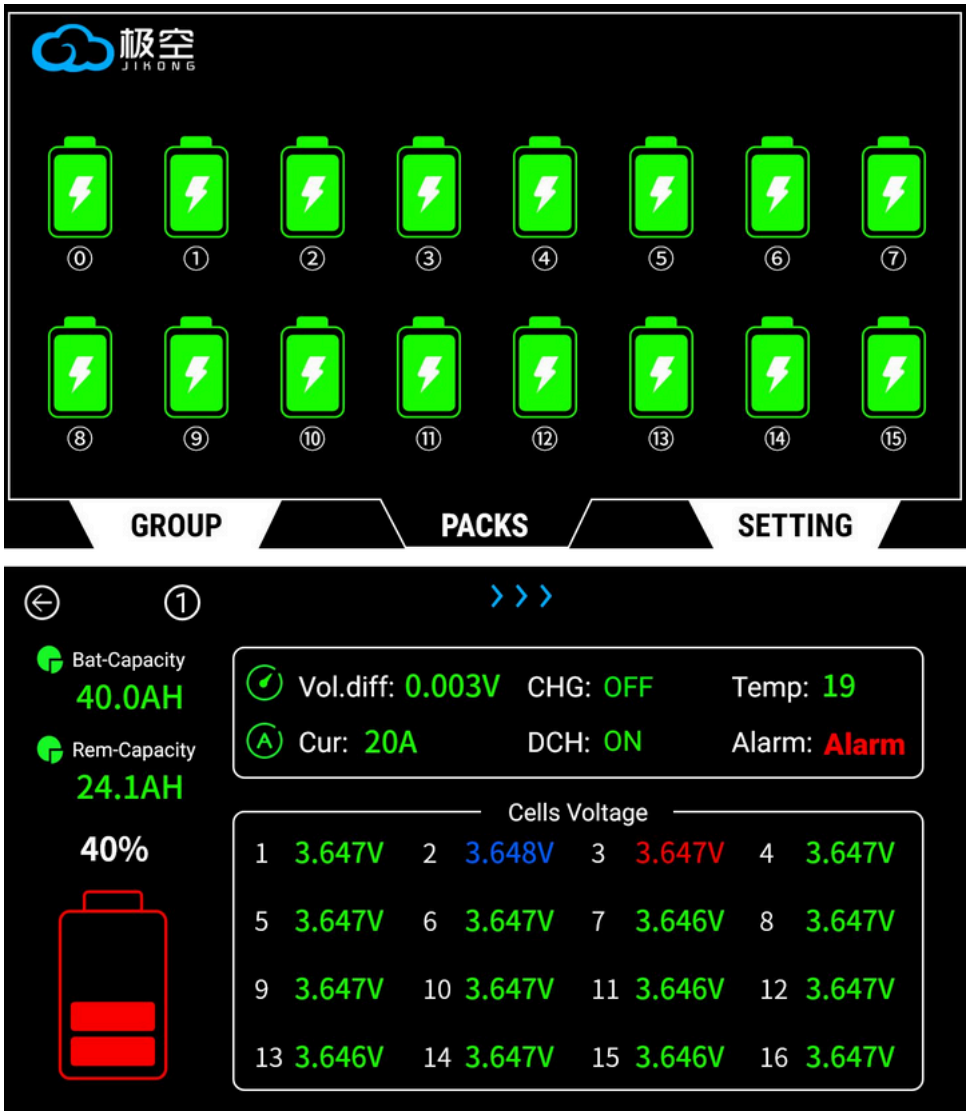


(Battery pack interface)

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

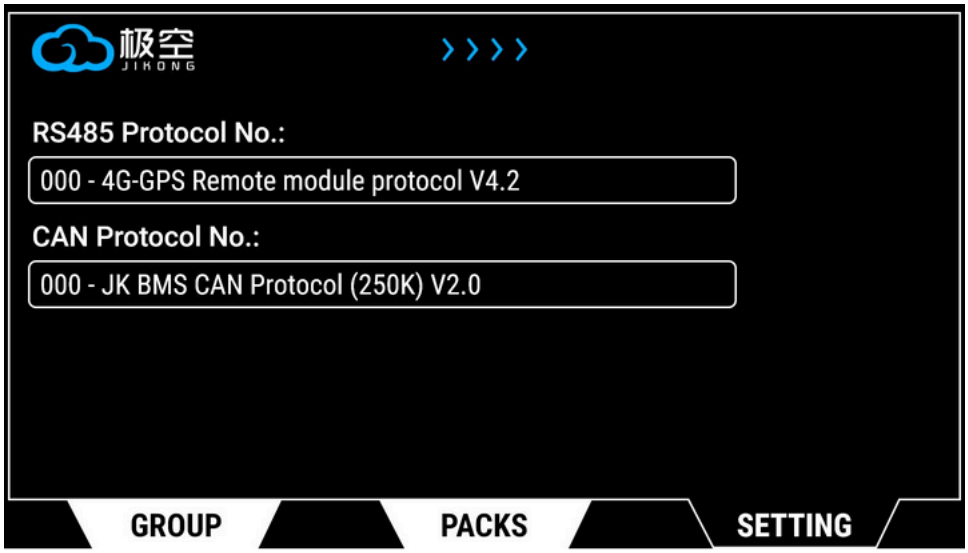
each cell and other parameters, up to 16 battery packs can be displayed.



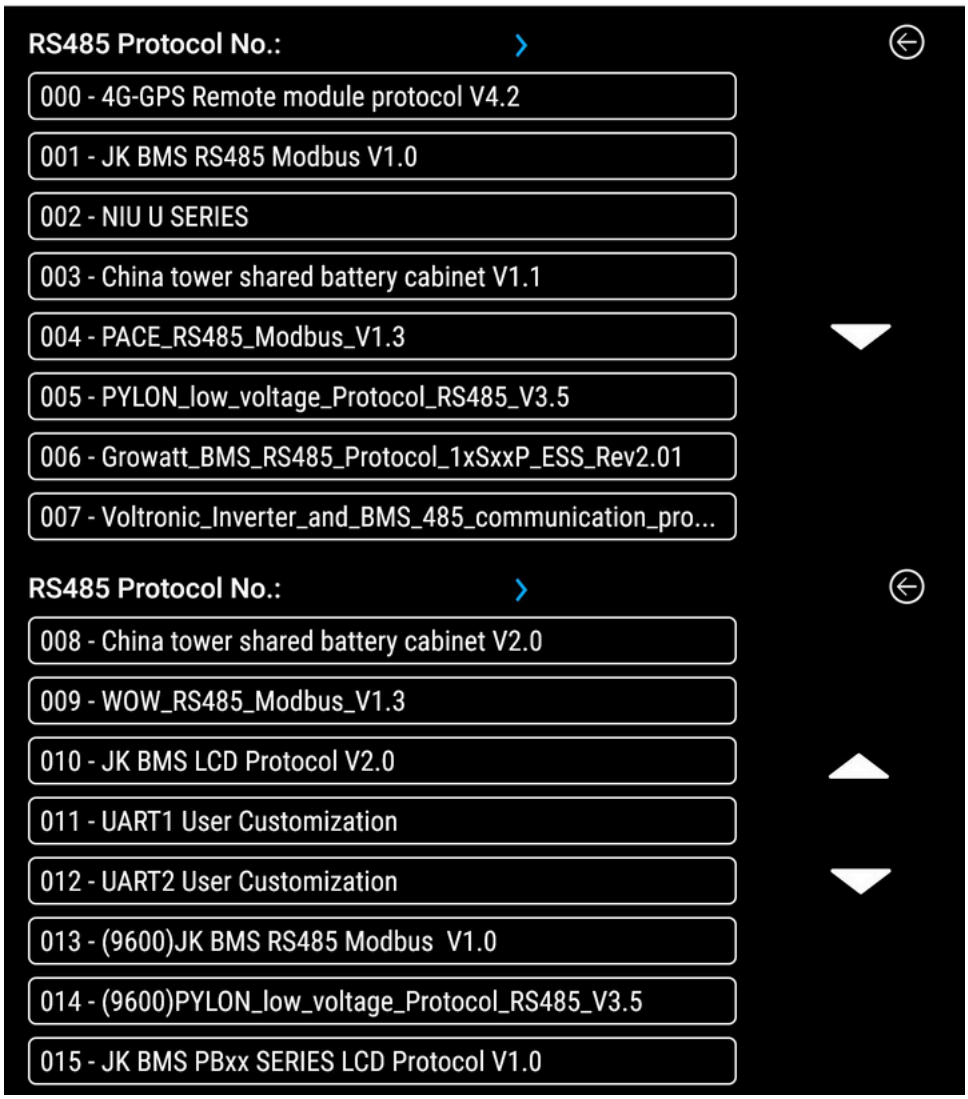
(Protocol selection interface)

Through protocol selection, you CAN select the corresponding 485 protocol and CAN

protocol, so as to select the appropriate communication protocol for communication.



(485 Protocol Selection)



(CAN Protocol Selection)