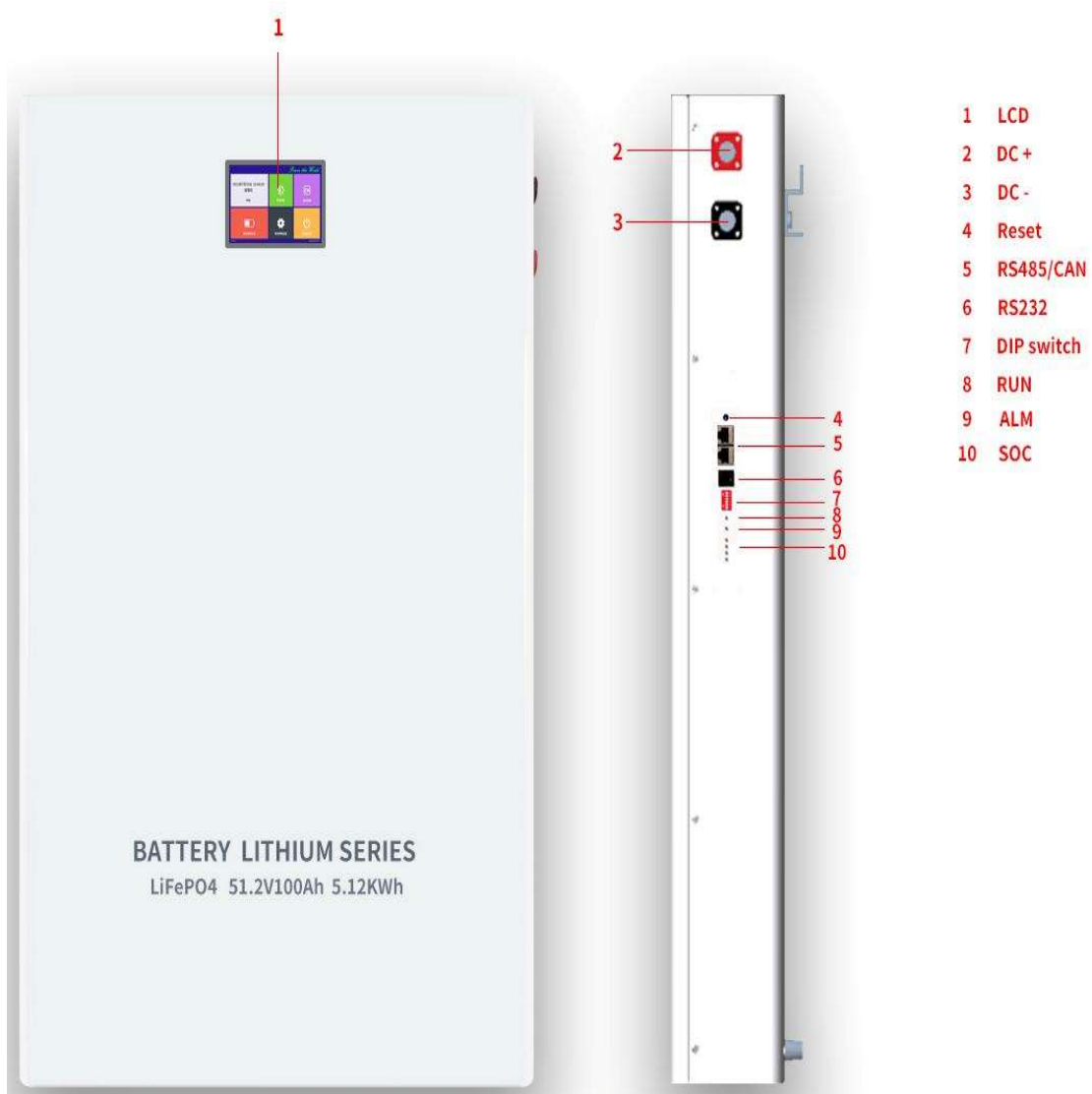


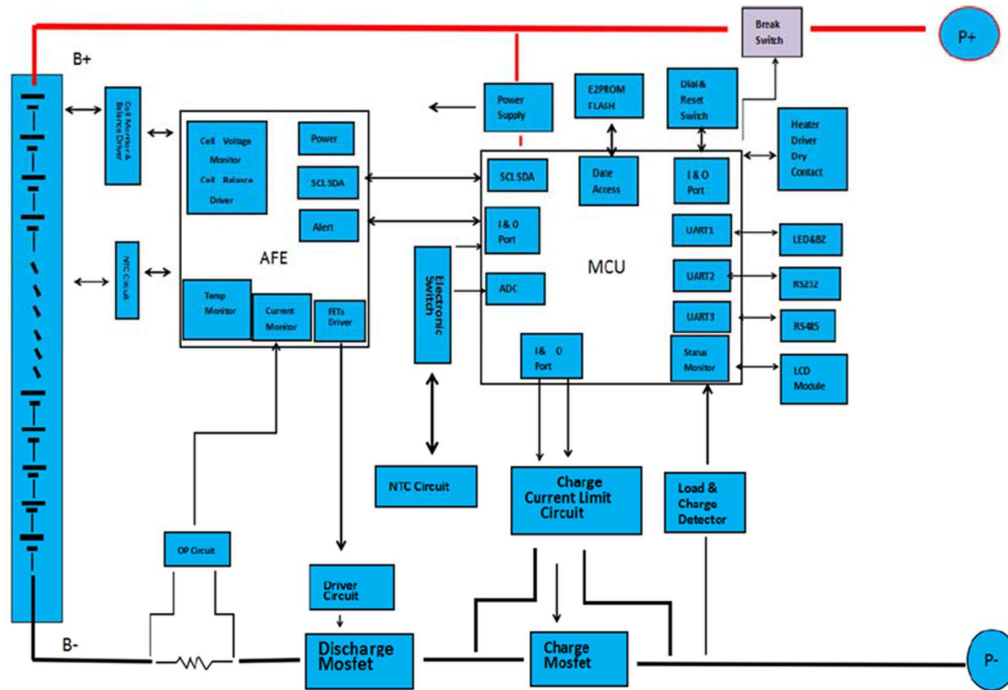


USER MANUAL

PRODUCT OVERVIEW



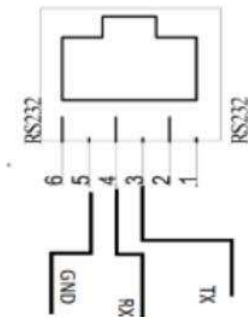
BASIC SYSTEM ARCHITECTURE



COMMUNICATION INTERFACE

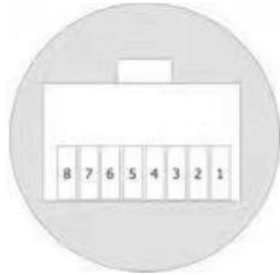


RS232 INTERFACE



RS485/CAN INTERFACE

- 1 - Ext Sync
- 2 - GND
- 3 - None
- 4 - CAN H
- 5 - CAN L
- 6 - GND
- 7 - RS485-A+
- 8 - RS485-B-



BATTERY ADDRESS SETTING



DIP	1	2	3	4	5	6	address	address (H)
status	0	0	0	0	0	0	16	0X10
	0	1	1	1	1	0	1	0x01
	0	1	0	0	0	0	2	0x02
	0	0	1	0	0	0	3	0x03
	0	1	1	0	0	0	4	0x04
	0	0	0	1	0	0	5	0x05
	0	1	0	1	0	0	6	0x06
	0	0	1	1	0	0	7	0x07
	0	1	1	1	0	0	8	0x08
	0	0	0	0	1	0	9	0x09
	0	1	0	0	1	0	10	0x0A
	0	0	1	0	1	0	11	0x0B
	0	1	1	0	1	0	12	0x0C
	0	0	0	1	1	0	13	0x0D
	0	1	0	1	1	0	14	0x0E
	0	0	1	1	1	0	15	0x0F
note: this DIP switch 0 is off, 1 is on								

PARAMETERS

BA-32S-R/32S-P BA-34S-R/34S-P

Battery PACK parameter Specification				
Model	BA-32S-R	BA-32S-P	BA-34S-R	BA-34S-P
Cell pack basic parameter				
Pack Nominal Voltage/V	51.2	51.2	51.2	51.2
Cell model	34135192	34135192	43173205	43173205
Cell nominal Voltage/V	3.2	3.2	3.2	3.2
Max charge Voltage/V	3.65	3.65	3.65	3.65
Cell nominal voltage/AH	100	100	150	150
Cell MAX Discharge rate/C	2	2	2	2
Cell MAX charge Rate / C	1	1	1	1
Cell in series	16	16	16	16
Cell in parallel	1	1	1	1
Battery pack method	Laser welding	Laser welding	Laser welding	Laser welding
Battery pack Energy/KWH	5.12	5.12	7.68	7.68
Battery Parameter				
BMS Type	Software	Software	Software	Software
Discharge				
Operating Voltage Range/V	40-58.4	40-58.4	40-58.4	40-58.4
Continuous current/A	100	100	150	150
Over current/A	110	110	165	165
Over current delay/S	5	1	5	1
Short circuit current/A	300	300	450	450
Short circuit current delay/ μ S	448	448	448	448
Charge				
Charger voltage(MAX)/V	58.4	58.4	58.4	58.4
Type current/A	50	50	75	75

continuous current(MAX)/A	100	100	150	150
Cut-off Voltage/V	58.4	58.4	58.4	58.4
Cut-off current/A	0-1	0-1	0-1	0-1
Protection				
Cell over voltage Alarm/V	3.6	3.6	3.6	3.6
Cell over voltage Alarm resume/V	3.4	3.4	3.4	3.4
Cell over voltage protection/V	3.65	3.65	3.65	3.65
Cell over voltage protection resume/V	3.4	3.4	3.4	3.4
Cell over voltage protection delay/S	1	1	1	1
PACK over voltage Alarm/V	57.6	57.6	57.6	57.6
PACK over voltage Alarm resume/V	54.4	54.4	54.4	54.4
Pack over voltage Protection/V	58.4	58.4	58.4	58.4
Pack over voltage Protection resume/V	54.4	54.4	54.4	54.4
Pack over voltage Protection delay/S	5	5	5	5
Cell under voltage Alarm/V	2.800	2.800	2.800	2.800
Cell under voltage protection/V	2.700	2.700	2.700	2.700
PACK under voltage Alarm/V	44.8	44.8	44.8	44.8
Pack under voltage Protection/V	43.2	43.2	43.2	43.2
charge over current alarm/A	100	100	150	150
charge over current protection /A	110	110	165	165
charge over current protection delay/S	1	1	1	1
Load detect	YES	YES	YES	YES
short circuit current protection /A	300	300	450	450

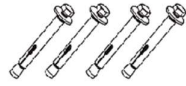
INSTALLATION

PARTS LIST

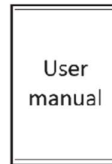
Check the equipment before installation. Please make sure nothing is damaged in the package.

You should have received the items in the following package:

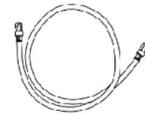
BA-32S-P
480mm*85mm*120mm



Stainless steel anti-collision
bolt M8×80



User manual x1



Parallel communication
cable x1

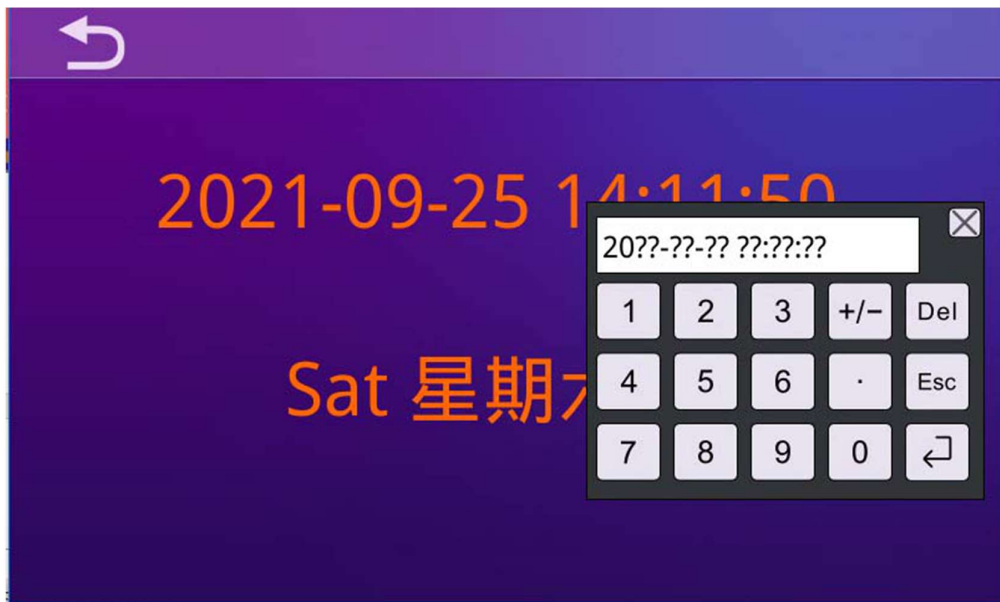


LCD DISPLAY ICONS

MAIN SCREEN



TIME SETTING SCREEN

The Time Setting Screen has a dark blue background. At the top left is a white back arrow icon. The date and time "2021-09-25 14:11:50" are displayed in large orange characters. Below the time, the text "Sat 星期六" is shown in orange. A numeric keypad is overlaid on the right side, featuring a search bar with the placeholder "20??-??-?? ??:??:??", a close button (X), and buttons for digits 1-9, 0, +/-, Del, ., Esc, and a back arrow.

2021-09-25 14:11:50

Sat 星期六

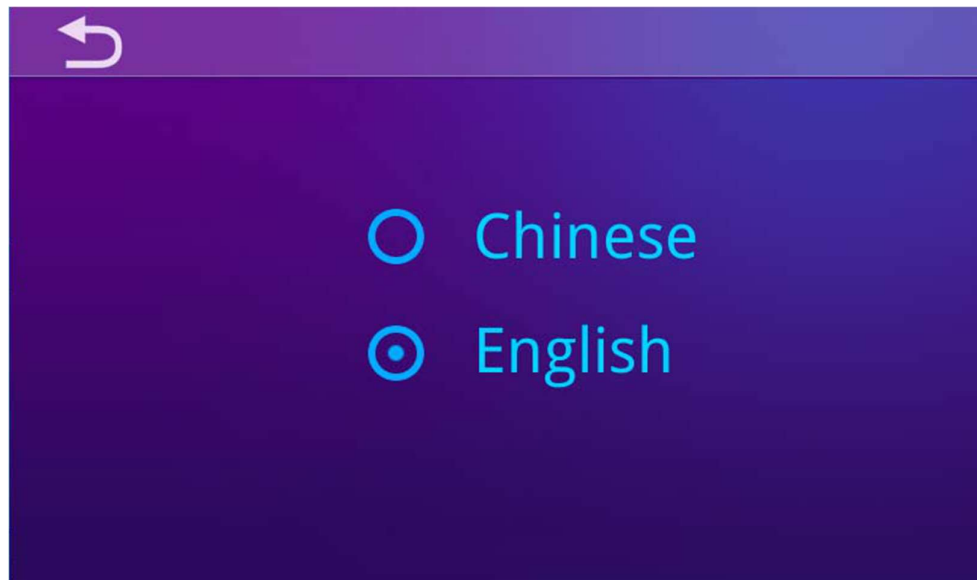
20??-??-?? ??:??:??

1 2 3 +/- Del

4 5 6 . Esc

7 8 9 0 ↩

LANGUAGE SETTING SCREEN

The Language Setting Screen has a dark blue background. At the top left is a white back arrow icon. Two options are listed: "Chinese" and "English", each preceded by a blue circle. The "English" option is selected, indicated by a dot inside its circle.

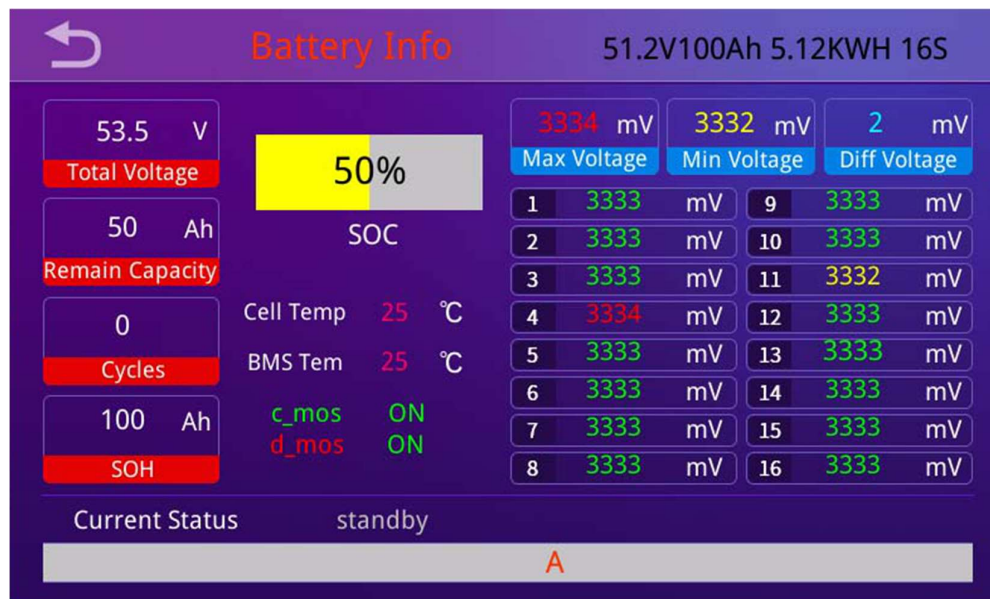
Chinese

English

BATTERY INFORMATION SCREEN



Password is 888888, and cannot be modify by User.



BATTERY PARAMETER SETTING SCREEN

Forbid to set parameter by LCD.



LCD SHUT DOWN



Click this Area once to turn off

LCD AWAKEN



Press any area Except turn off area will be awake this LCD display

COMMUNICATION PROTOCOL

Please refer to the protocol datasheet.

MAINTAINENCE

For safety, if the battery is abnormal and needs to enter maintenance mode, contact technical support engineers

ATTENTION

- Battery connect to load must link with DC breaker
- Please do not use the battery in a high temperature environment and keep away from fire.
- [Prevent water from entering the battery. If water enters the battery, stop using it immediately and contact technical support engineers](#)
- Damage caused by human factors and accidents will not enjoy free warranty
- The damage caused by battery short circuit is not covered by warranty
- Damage caused by force majeure is not covered by free warrant