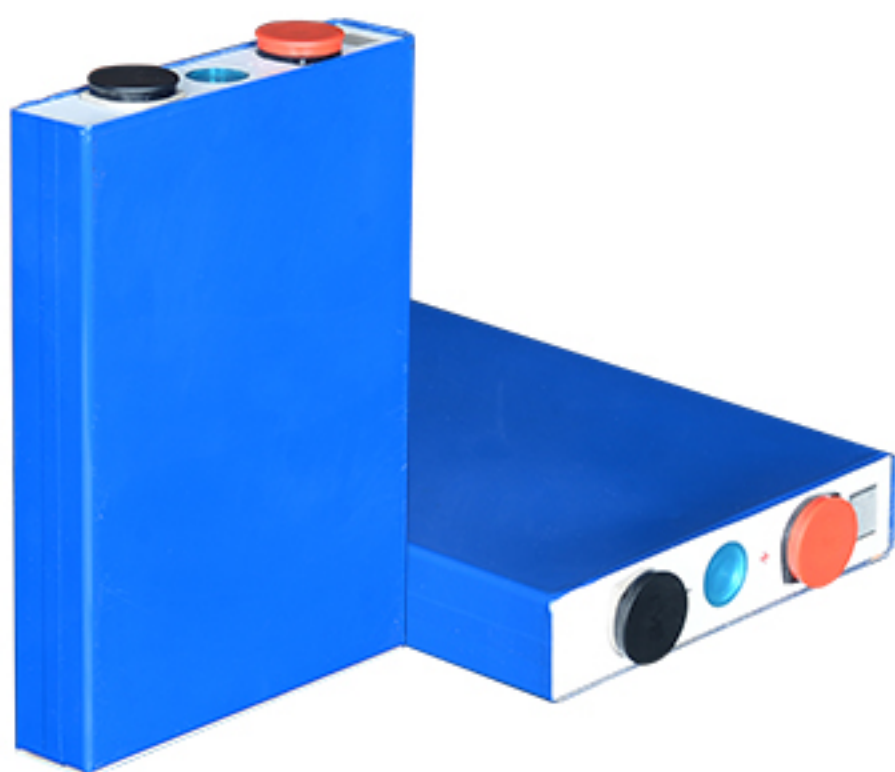


10.24KWH Battery Energy Storage System (ESS)

- ◆ 32PCS 100AH LIFEPO4 Battery inside
- ◆ 51.2Vdc 10.24KWH rated capacity
- ◆ Long cycle life 3600 times at least on 80%DOD
- ◆ Customized charger make system life maximization
- ◆ High reliability intelligent BMS
- ◆ Unique automatic calibration active balancing technology BMS system
- ◆ 51.2Vdc voltage output suitable for home energy storage system, communication STATIONS AND OTHER

APPLICATION

- ◆ Standard CAN & RS485 communication port, can meet the requirement of several packages to connect in parallel, Master & Slave relationship, Monitor and Other prolongation functions.
- ◆ Ip31 Protection, indoor use only.
- ◆ Environment requirement: 0-30°C, 65% Humidity

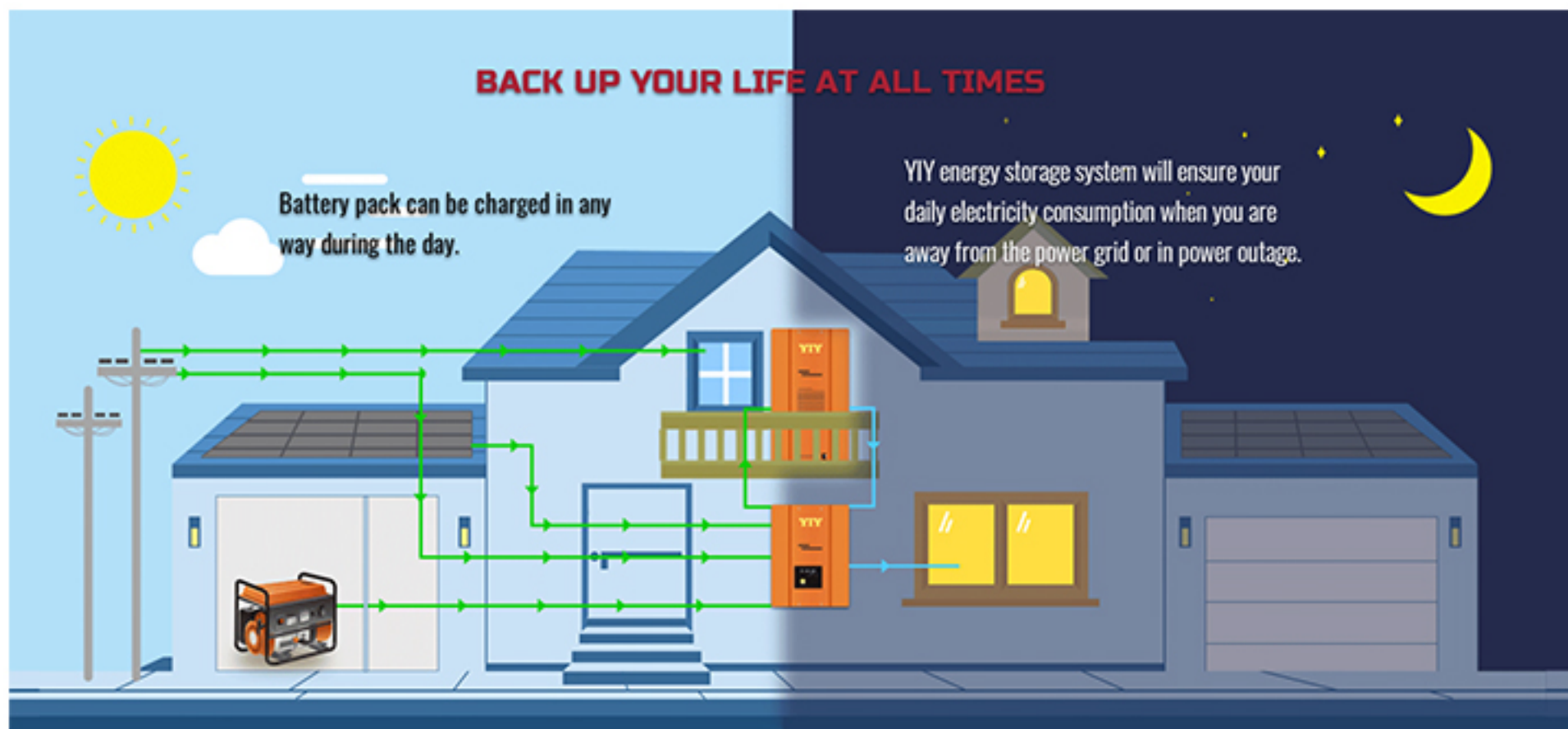


- ◆ Lithium iron phosphate guarantees high safety, good stability and long working life with at least 3500 cycles at 80% DOD.

- ◆ High reliability intelligent BMS
- ◆ Unique automatic calibration active balancing technology BMS system

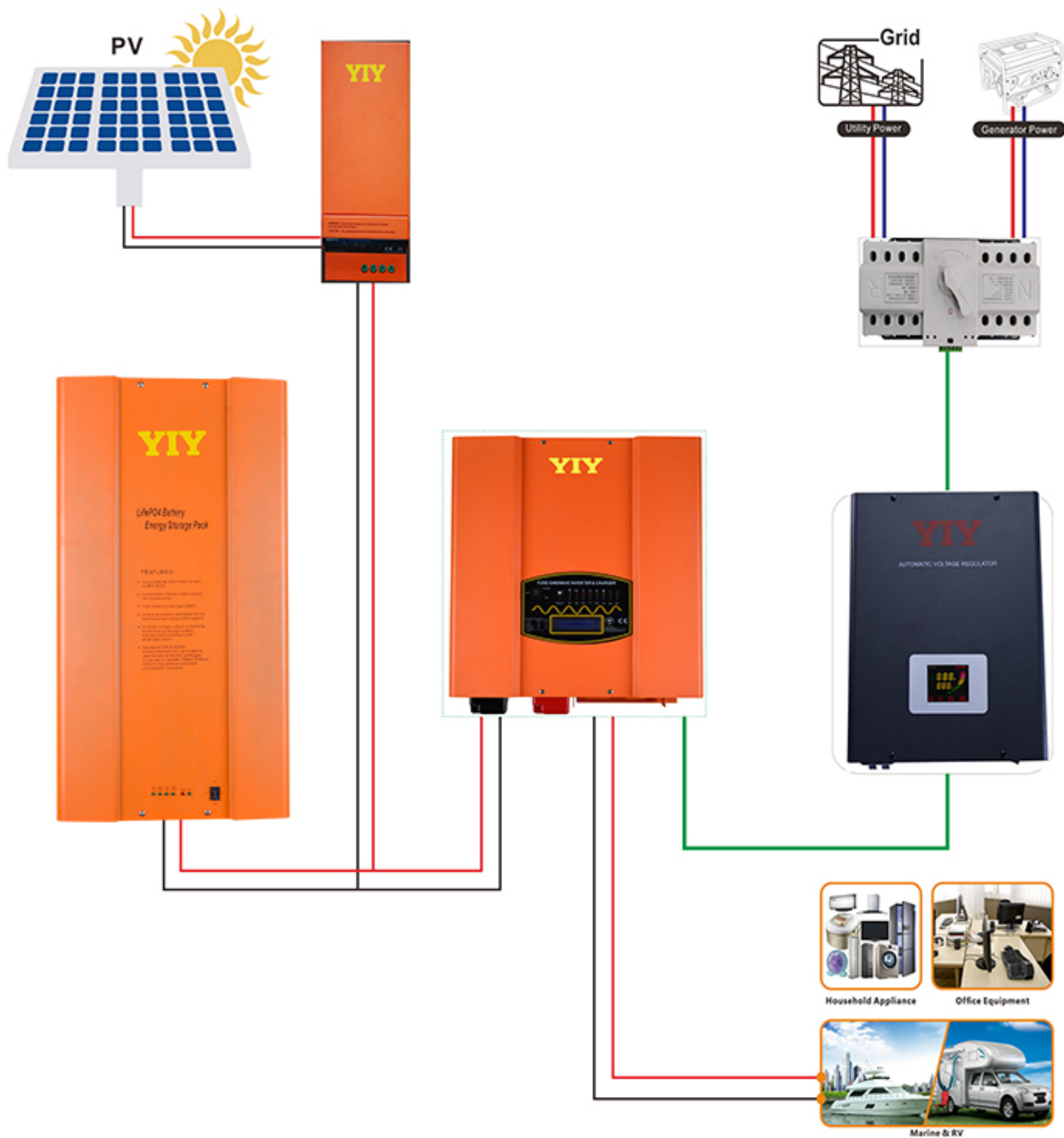


Home Energy Storage System



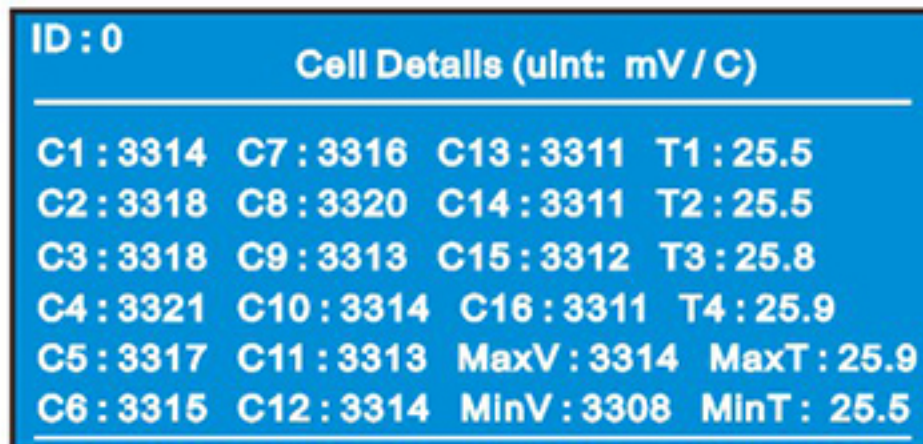
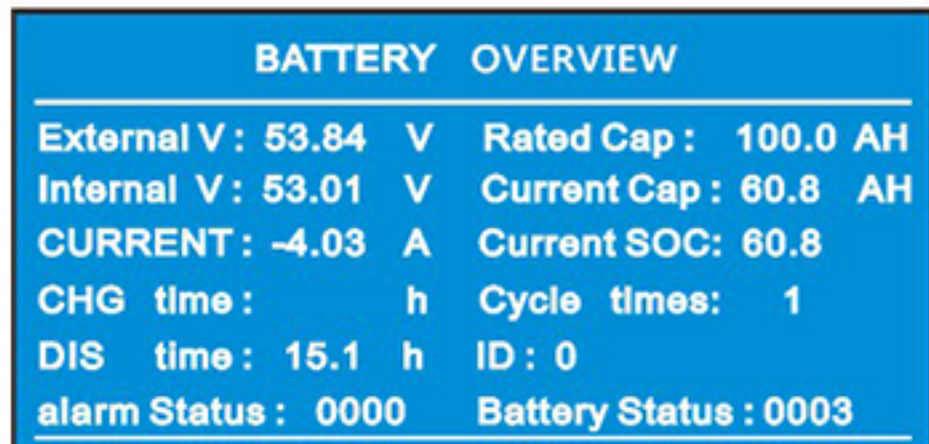
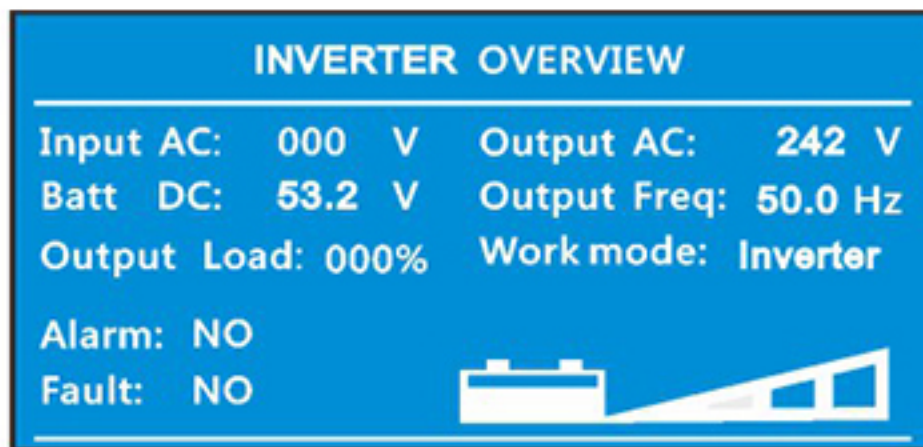
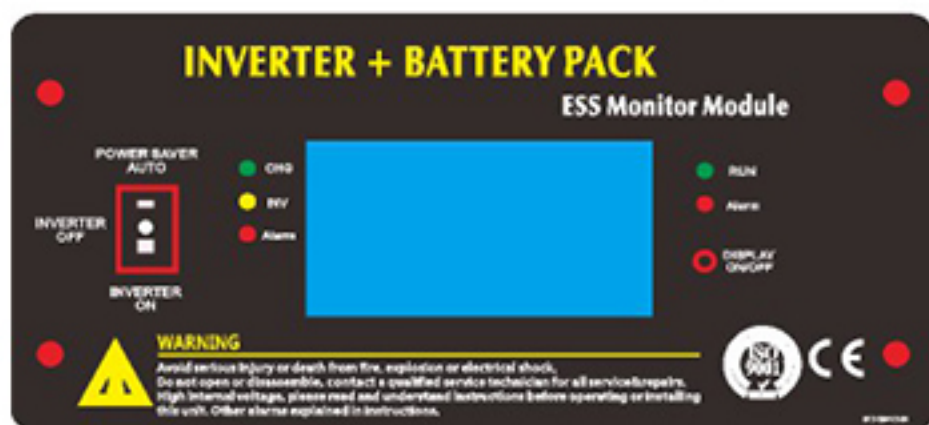
◆Working principle

Energy storage in power systems includes solar panels, inverters (for AC and DC conversion), and standby power supply for main electrical standby lines. Household electricity demand is different, choose different components.



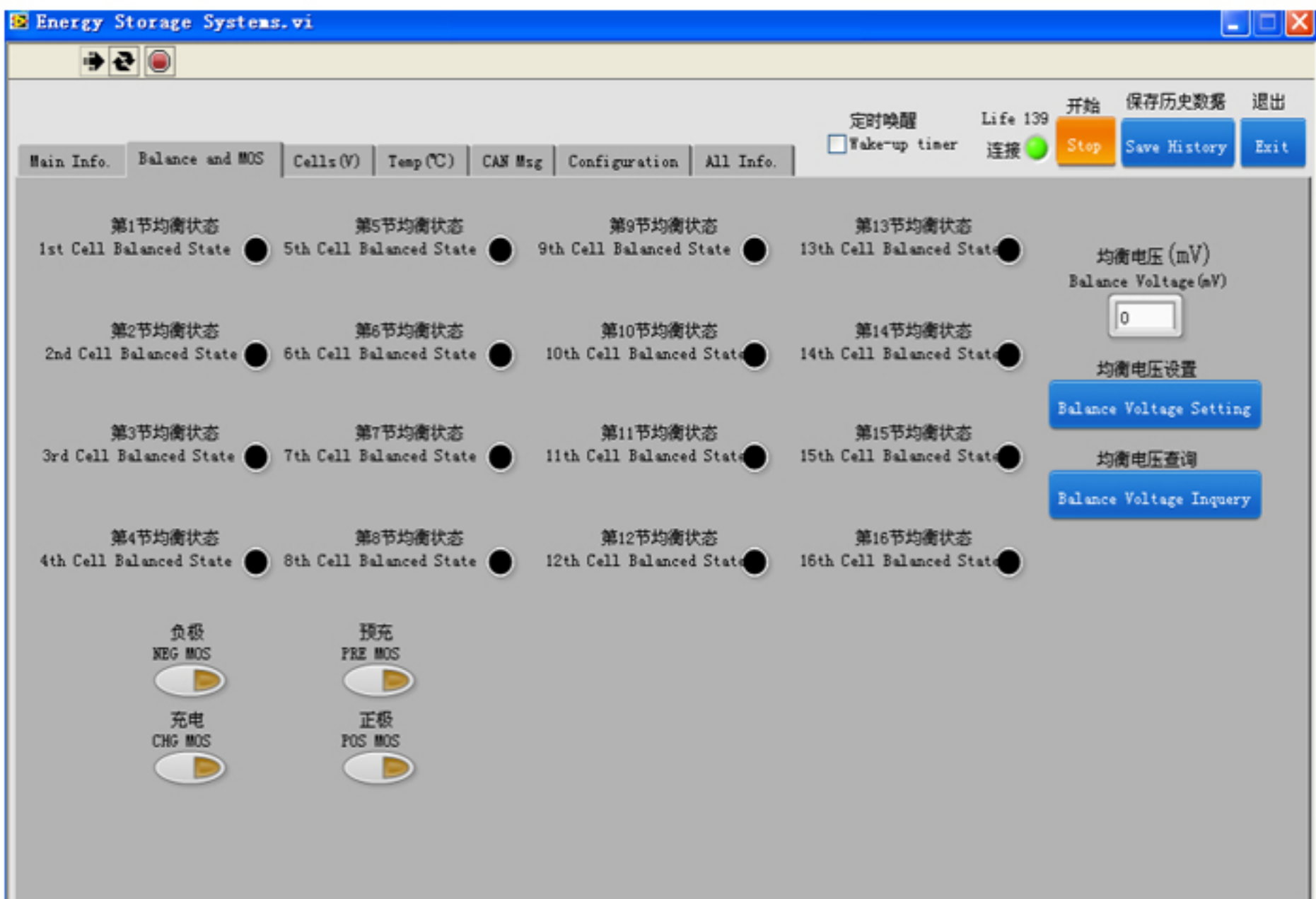
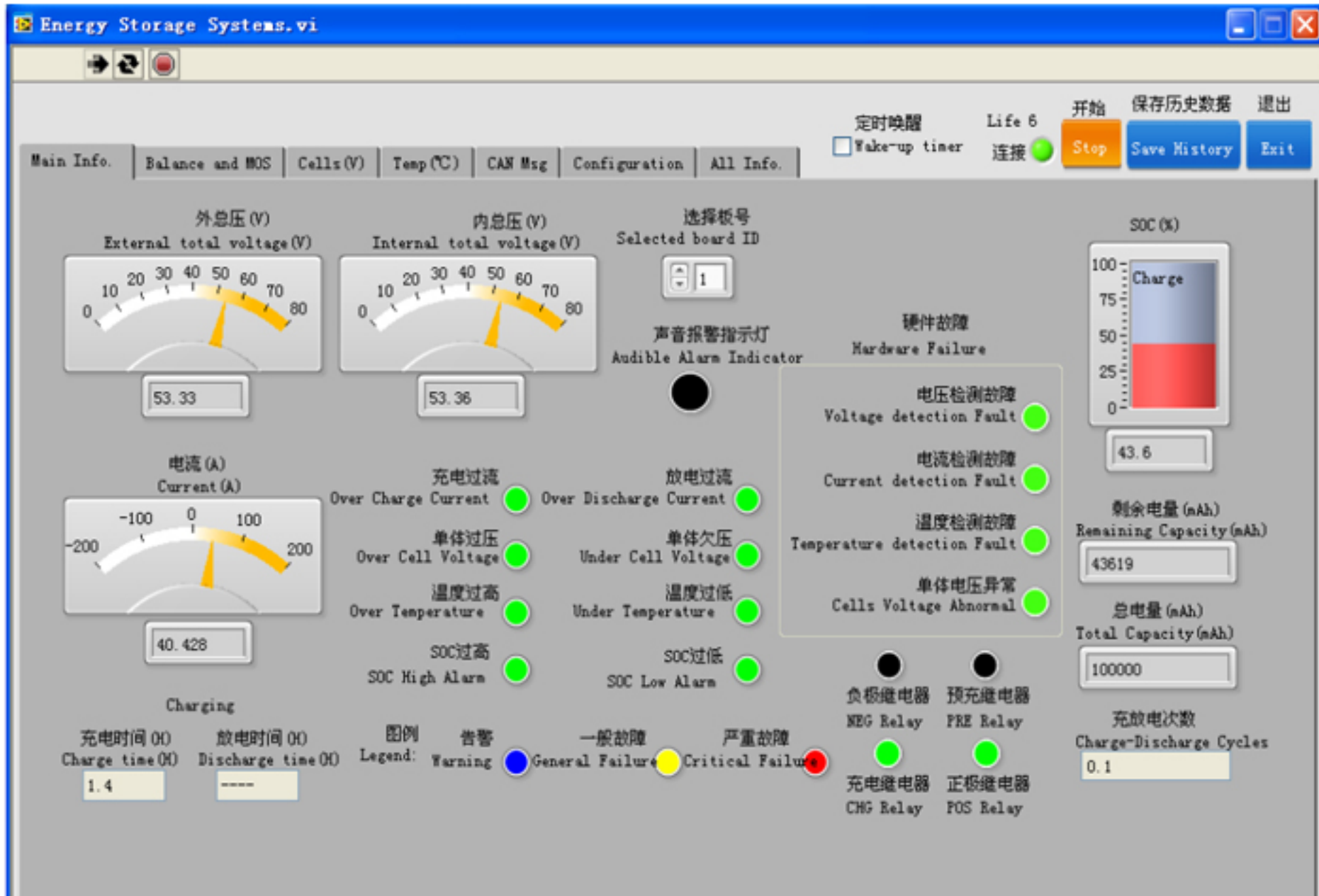
Easy management without maintenance

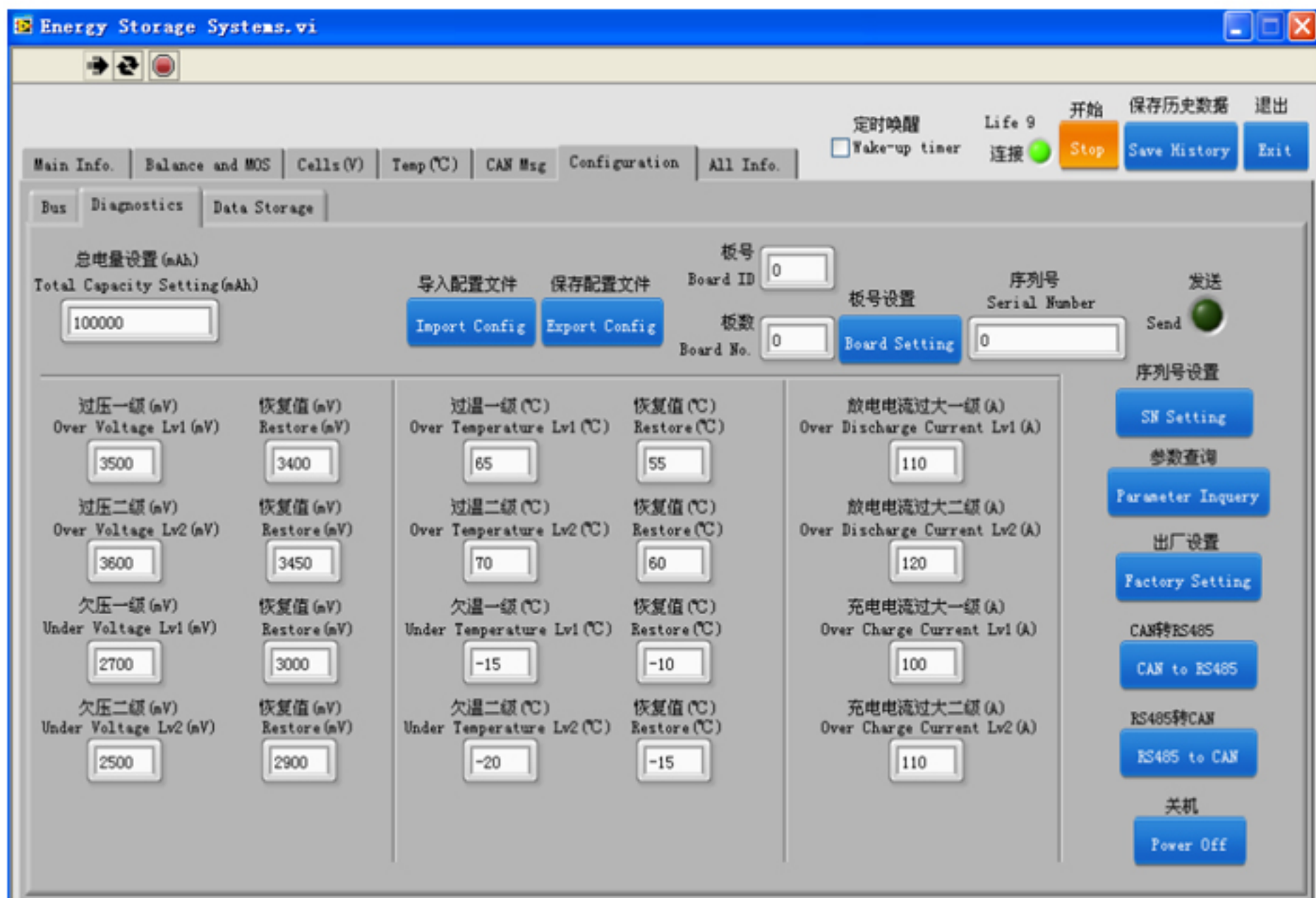
Remote LCD monitor screen (optional)



Remote computer monitoring (optional)



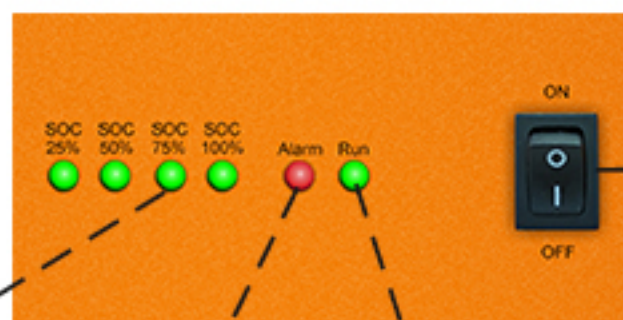






CAN Interface
for PC

RS485 Interface
for LCD Remote



SOC
Indicators

Alarm

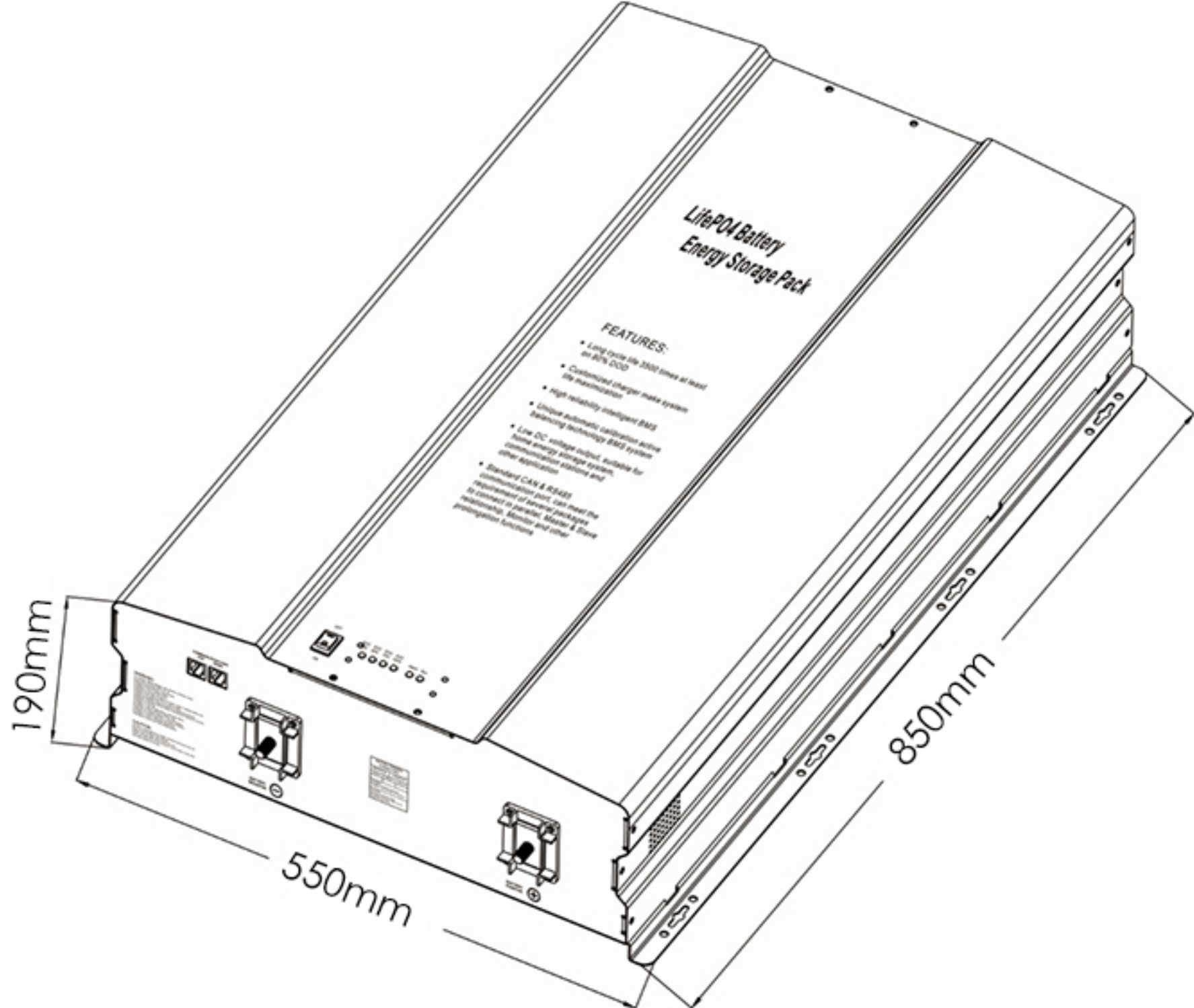
Run

Power Switch

◆General Information

This specification defines the performance of a rechargeable LiFePO4 battery pack and describes its rype, performance, technical characteristics and warnings.

NO	Items	Description
Normal specification		
1	Rated Voltage	51.2V
2	Rated Capacity	200Ah
3	Rated Energy	10.24KWH
4	Battery Configuration	16S2P
5	Battery Cell	100AH
Standard Charge		
1	Battery operation temperature range @charging	0~45℃
2	Max charge voltage	56.8±0.4V
3	Rated charge voltage	56.0±0.4V
4	Allowed MAX charge current	120A
5	Recommend charge current	100A
6	Over charge Protection Release	
Standard discharge		
1	Battery operation temperature range @discharging	-20~60℃
2	Output Voltage Range	40~56V
3	Allowed MAX discharge current	200A
4	Peak discharge current	240A 5S
5	Recommend discharge current	200A
6	Discharge Cut-off voltage	40V
7	Over Discharge protection Release	Charging or Release load and restart.
Operation and Indicator		
1	Power Switch	ON: all function start OFF: all function shut down
2	Run LED (green)	Lighting: System working normal Flash: System standby
3	Alarm LED (red)	Lighting: System fault Flash: System warning
4	SOC LED (4pcs green)	Charging: SOC<25% LED1、LED2、LED3、LED4 flash in turn 25%<SOC<50% LED1 lighting,LED2、LED3、LED4 flash in turn 50%<SOC<75% LED1、LED2 lighting,LED3、LED4 flash in turn 75%<SOC<95% LED1、LED2 lighting,LED3、LED4 flash in turn LED1、LED2、LED3 lighting,LED4 flash Discharging: SOC>75% LED1、LED2、LED3、LED4 lighting 50%<SOC<75% LED1、LED2、LED3 lighting,LED4 off 25%<SOC<50% LED1、LED2 lighting,LED3、LED4 off 10%<SOC<25% LED1 lighting,LED2、LED3、LED4 off SOC<10% LED1 flash,LED2、LED3、LED4 off
Communication		
1	RS485	For LCD remote control (option)
2	CAN	PC control and monitor (one communication CAN card support ten packs parallel)
Mechanical Characteristics		
1	Dimension	L*W*H(unit)= 850*550*190mm
2	Weight	
Storage and Transportation requirements		
1	Storage Temperature	Less than 1 month -20~35℃
		Less than 6 month -10~30℃
2	Storage Humidity	45~75%RH
3	SOC	Storage 60~75% SOC
		Transport 45~55% SOC



Diversified energy efficiency to meet your needs



2.56KWH



4.1KWH



5.12KWH



8.2KWH



10KWH



25KWH