AMPLENESS

S52200 BATTERY

FOR 48V SOLAR SYSTEM

- Powered by BYD cells
- Being paralleled 4 sets
- Advanced BMS multiple protection

S52200 Lithium Battery Module

AMPLENESS

BYD

BYD Cell
high-end quality
High Safety

LFP Prismatic Cell
current interrupt Device (CID) helps pressure relif and ensures safe and detect controllable aluminum shells is welded to ensure sealing
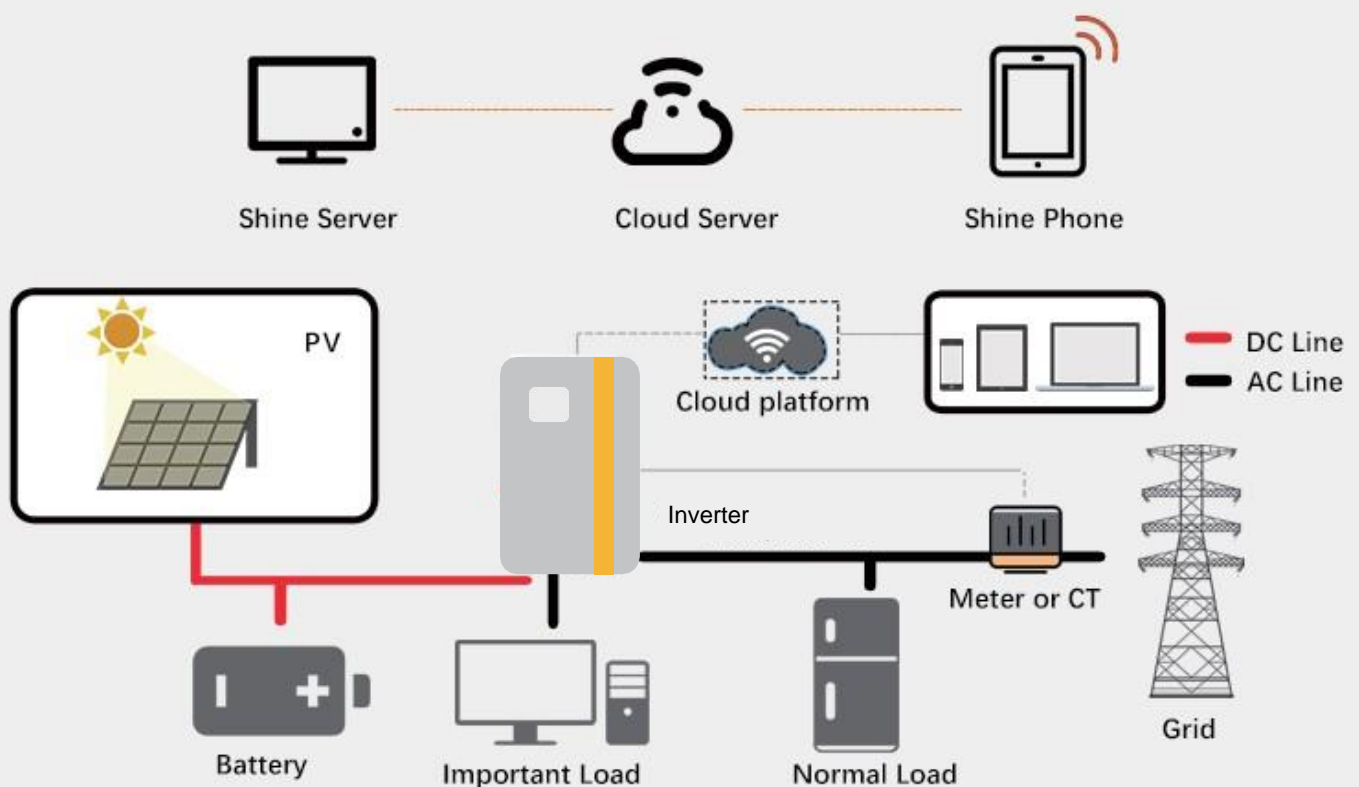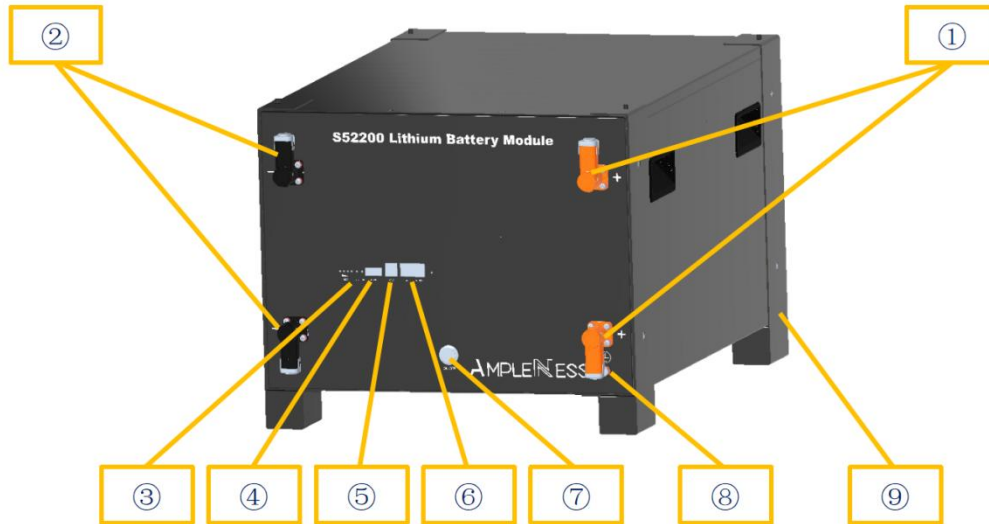
51.2V low-voltage
Support 4 sets parallel connection

BMS
Real-time control and accurate monitor in single cell voltage current and temperature, ensure battery safety

Shine Server

Cloud Server

Shine Phone

PV

Cloud platform

DC Line
AC Line

Inverter

Meter or CT

Battery

Important Load

Normal Load

Grid

S52200 BATTERY Function Description

NO	NAME	FUNCTIONAL SPECIFICATIONS
1	Positive electrode	Connect the positive terminal of the external device
2	Negative electrode	connect the negative electrode of external device
3	Residual battery indicator, alarm indicator	Indicate working status, battery capacity
4	Address DIP switch	Change product code when multiple units are connected in parallel
5	CAN interface	Connect external device
6	RS485 interface	Connect external device
7	Battery switch	Battery switch
8	Ground point	Avoid accidental leakage of electricity
9	Support rack	Fix product on the support

ITEN	PARAMETER
Model	S52200
Output	
Capacity	200Ah
Depth of Discharge	0.95
Nominal Voltage	51.2V
Voltage Range	44.8-58.4V
Max. Charging Voltage	58.4V

Continuous Currt at 25℃	100A
Continuous Currt at 35℃	100A
Continuous Currt at 45℃	60A
Max.pulse Current at 25℃,10s	200A
Continuous Charging Curret at 45℃	60A

Efficiency	
Efficiency	95%

General	
Operating Temperature	0-55℃
Dimension (L*W*H)	672mm(L)×489mm(W)×409.5mm(H)
Weight	140±2kg
Cooling Type	Natural cooling
Installation Method	Assembly of screws
Ip Rating	IP41
Max.Parallel	4
Parallel Setting	Code dip switch
Cycle Life	>3000
Communication Mode	RS485/CAN
Protection Mode	Protection board protection

Protection	
Battery Protection	Overcharge, overdischarge, overcurrent, high temperature, short circuit protection and so on

Split-type power supply can provide energy storage function for photovoltaic power generation users and backup power support function for important electrical equipment. The excess photovoltaic power can be stored in the battery during the day, and the stored electric energy can be used to power the electrical equipment at night or when necessary, which can improve the efficiency of photovoltaic power generation, peak cutting and valley filling, emergency backup power and other functions. It can also be used to backup power for important equipment to avoid data and economic losses caused by unexpected power failure.