

# AMPLENESS

## S5285 BATTERY

### HOME ENERGY STORAGE SYSTEM

- Powered by CATL cells
- Being paralleled 15 sets
- Advanced BMS multiple protection



CATL

#### CATL Cell

high-end quality  
High Safety



#### LFP Prismatic Cell

current interrupt Device (CID) helps pressure relief and ensures safe and detect controllable aluminum shells is welded to ensure sealing



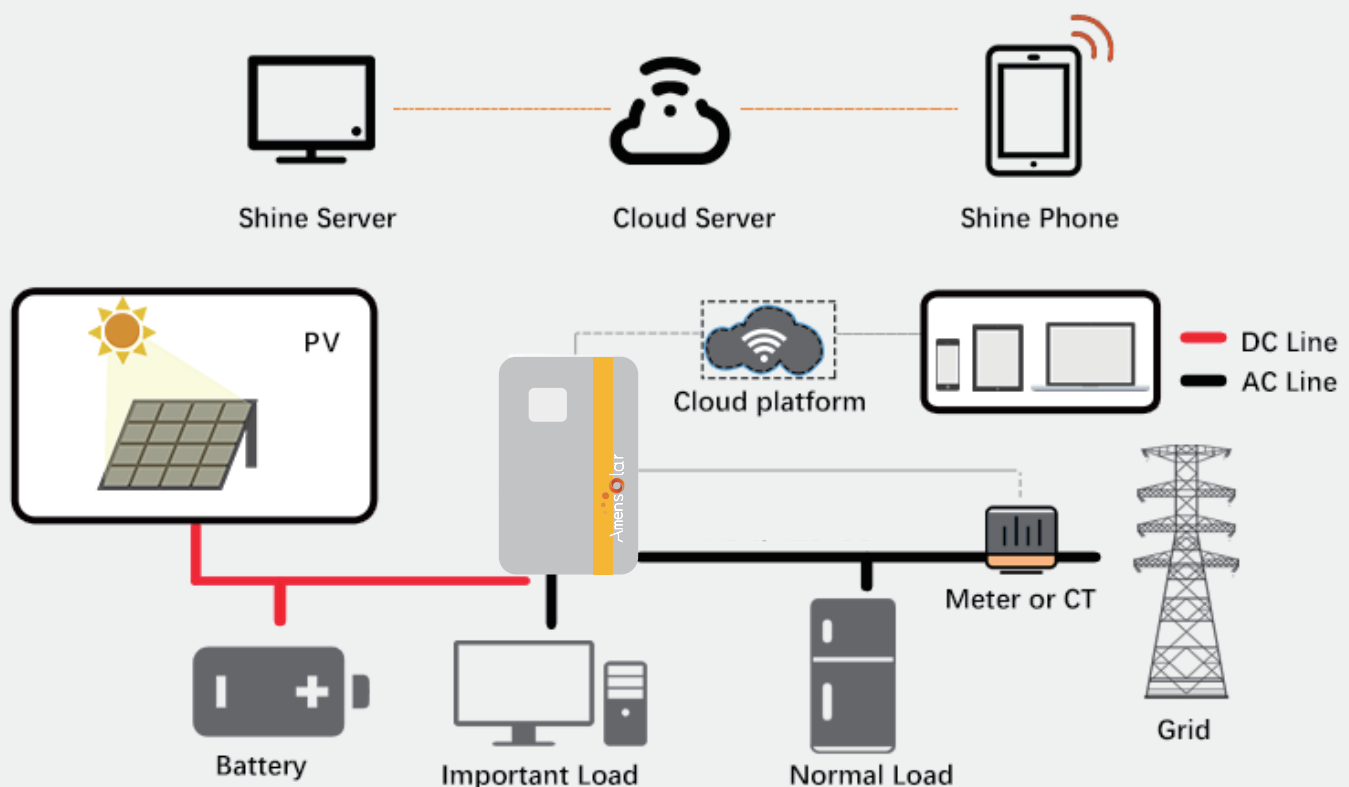
#### 48V low-voltage

support 16 sets parallel connection

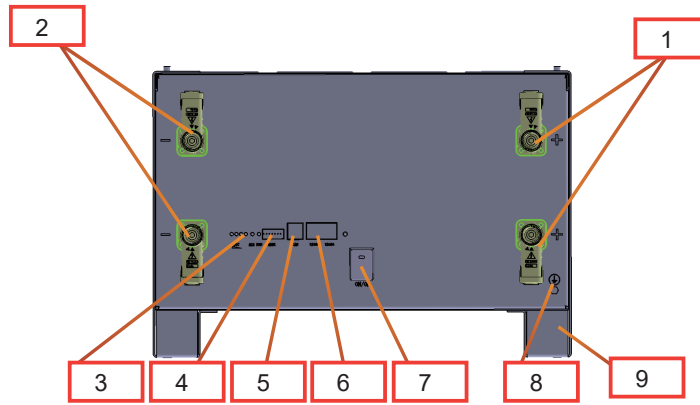


#### BMS

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



# S5285 BATTERY Function Description



NO	NAME	FUNCTIONAL SPECIFICATIONS
1	Positive electrode	connect the positive electrode of external device
2	Negative electrode	connect the negative electrode of external device
3	Capacity 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

TYPE		PARAMETERS
Inverter input (AC/DC)	Rated input voltage	54.4V
	Input voltage range	36V≤U≤60V
	Input Current	≤85A
	input power	< 5000W
system output (DC)	Nominal output voltage	51.2V
	Output voltage range	44.8V<U<58.4V
	output current	≤85A
	output power	< 5000W
	output overload	Protection board is outage and stops discharging power if current is over 110A and lasts 10S.
	short circuit	
PACK Capacity	85AH	
Protection board function	Overcharge, overdischarge, overcurrent, high temperature, short circuit protection, etc.	
Battery Type	Square Lithium Iron Phosphate	
Working Temperature	charge	0℃-55℃
	discharge	-10℃-55℃
Relative Humidity	≤90%	
Dimension	500mm(L)*446mm(W)*312mm(H)±2mm	
Weight	63kg±2Kg ( Subject to real battery )	