

High quality cell : Megmeet 48V 100Ah lifepo4 lithium battery adopts A-grade cell, which can store 5.12kwh of energy, with a maximum output power of 5120w, and can be recycled more than 6000 times, with a service life of more than 15 years.

BMS Protection: Megmeet 48V 100Ah lifepo4 lithium battery can be charged at 0°C~50°C temperature and discharged at -20°C~60°C temperature. The built-in 100A BMS protects the battery from potential damage caused by high and low temperatures, short circuits, overcurrents, and overloads during operation.

Intelligent Battery Management Screen: 48V lithium battery The external intelligent battery management system allows you to view battery information and the status of the built-in BMS at any time, so you can really keep track of your battery.

Battery Can Be Combined: The 51.2V lithium battery can be connected in parallel with up to 15 identical batteries, thus giving you greater energy storage.







Multiple Protection Smart BMS For Safe Operation



- Overcharge protection function
- Over current protection function
- Temperature protection function

- Overdischarge protection function
- Short circuit protection function
- Cell balance function

Built-in BMS Protection



Overcharge
protection



Overdischarge
protection



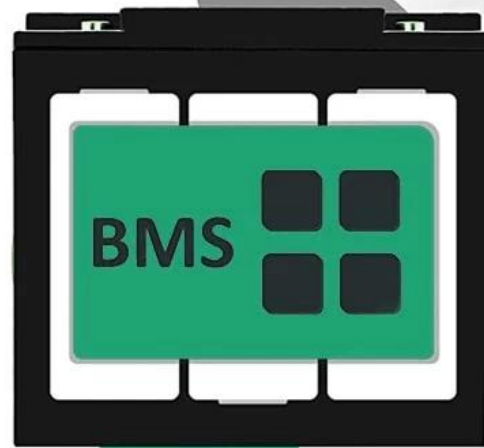
Overcurrent
protection



Short circuit
protection



Cell voltage
self balance



BMS PROTECTION

BUILT-SMART BMS



Overcharge
Protection



Over discharge
Protection



Short Circuit
Protection



High/Low
Temp Protection



Overcurrent
Protection

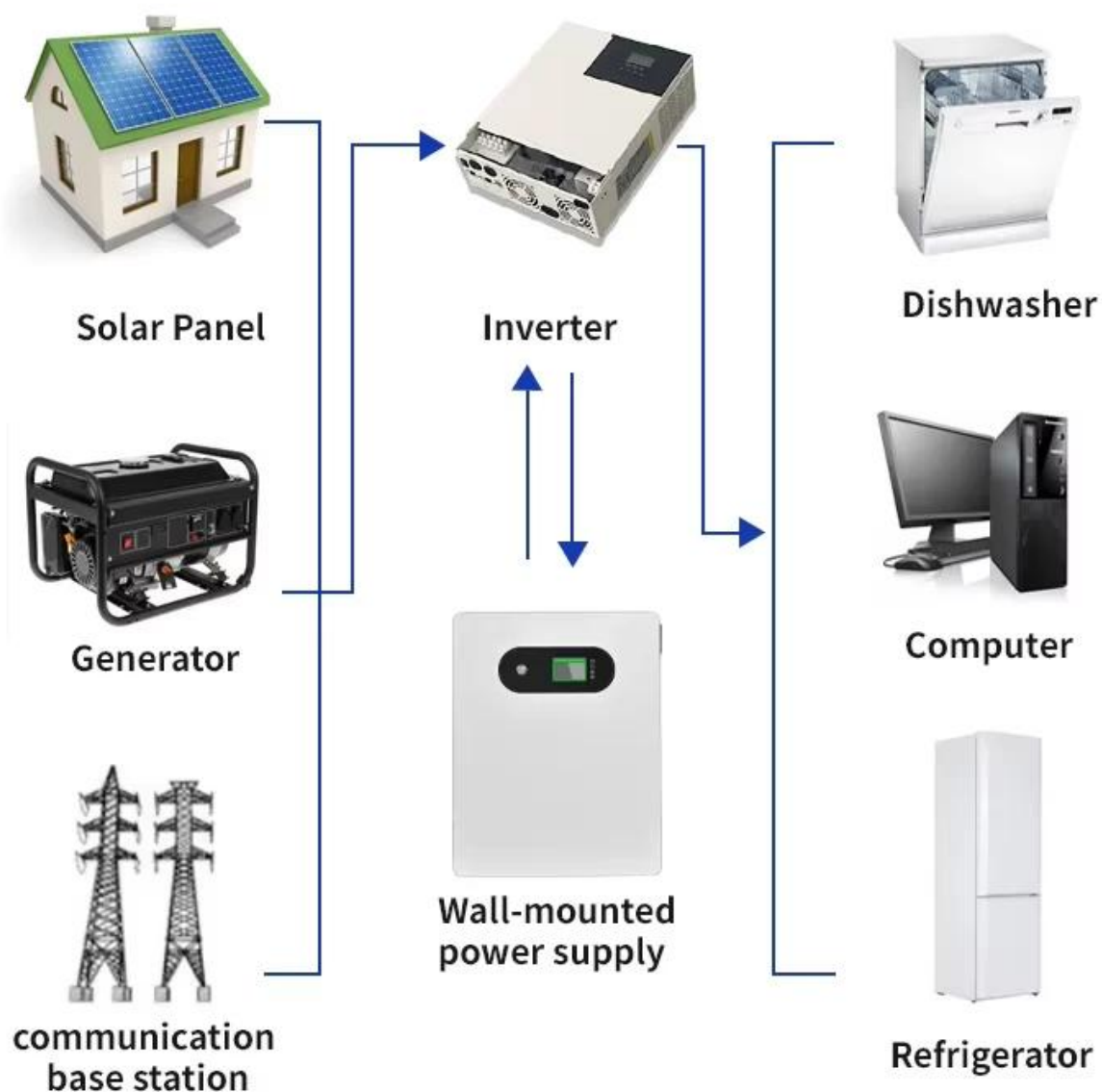


Equalizing
Voltage

BMS

Compatible with multiple inverters

Strong compatibility,
suitable for various inverter brands



Product Technical Specification Parameters

	Items	Parameters	Noted
Performance	Battery Voltage	51.2V	16S
	Battery Capacity	100Ah	0.5C
	Charging Cut-Off Voltage	58.4V	Single Cell 3.65V
	Discharging Cut-Off Voltage	40V	Single Cell 2.5V-Adjustable
	Charging Current	100A	Maximum Current-200A
	Discharging Current	100A	Continuous Working Current
	Internal Resistance	≤25mΩ	
Protections	Over -Charging Voltage Protection	58.4V	Settable
	Over-Discharging Voltage Protection	40V	Settable
	Charging Over-Current Protection	100A	Settable
	Short Circuit Protection	YES	Remove load or charging can be lifted
	BMS Temperature Protection	-25°C~70°C	Electricity and ambient temperature protection
Use Environment	Working Temperature	-10°C~60°C	
	Storage And Shipping Temperature	-20°C~55°C	
	Relative Humidity	95%	
	Atmospheric Pressure	70kPa-106kPa	
Dimensions	Weight	46±1%Kg	Net weight
	Weight	60±1% Kg	Gross Weight
	Shell Marital:Sheet Metal	Sheet Metal Spray	White+black (optional)
	Size	620x400x240±3mm	Not including Install a baffle
	Size	725x485x465±3mm	out packing size