

Basic description

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 10 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 48V lithium battery can be connected in parallel with up to 15 identical batteries, thus giving you greater energy storage.

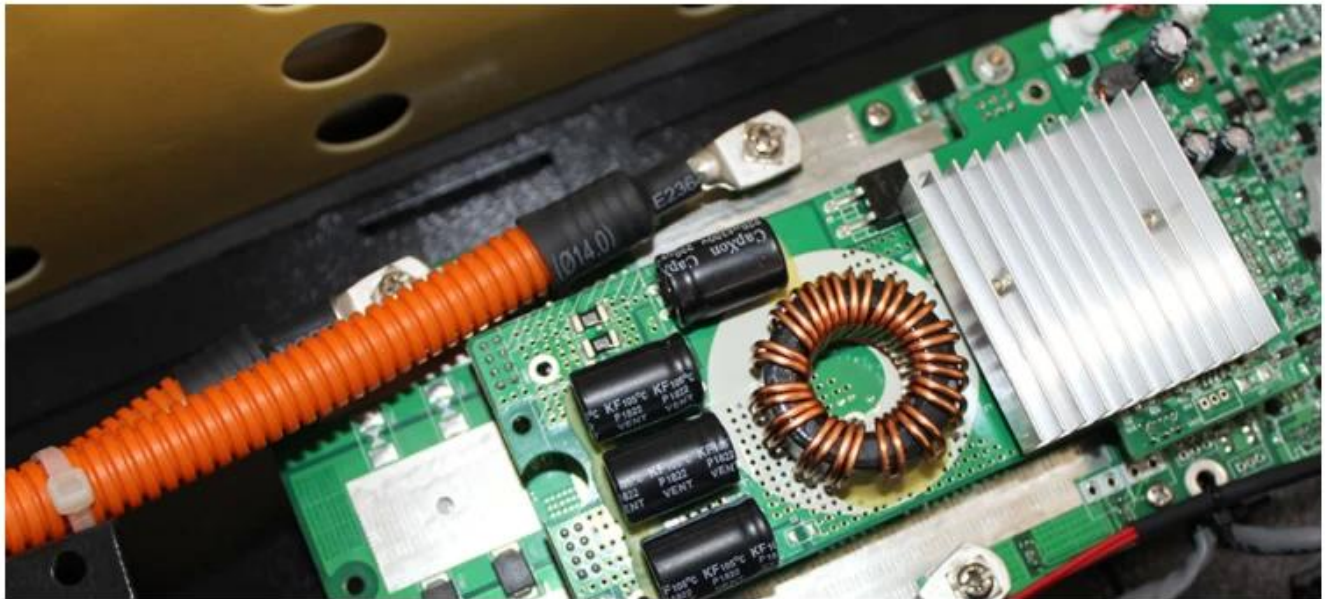








Multiple Protection Smart BMS For Safe Operation



- 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



BUILT-SMART BMS



Overcharge
Protection



Over discharge
Protection



Short Circuit
Protection



High/Low
Temp Protection



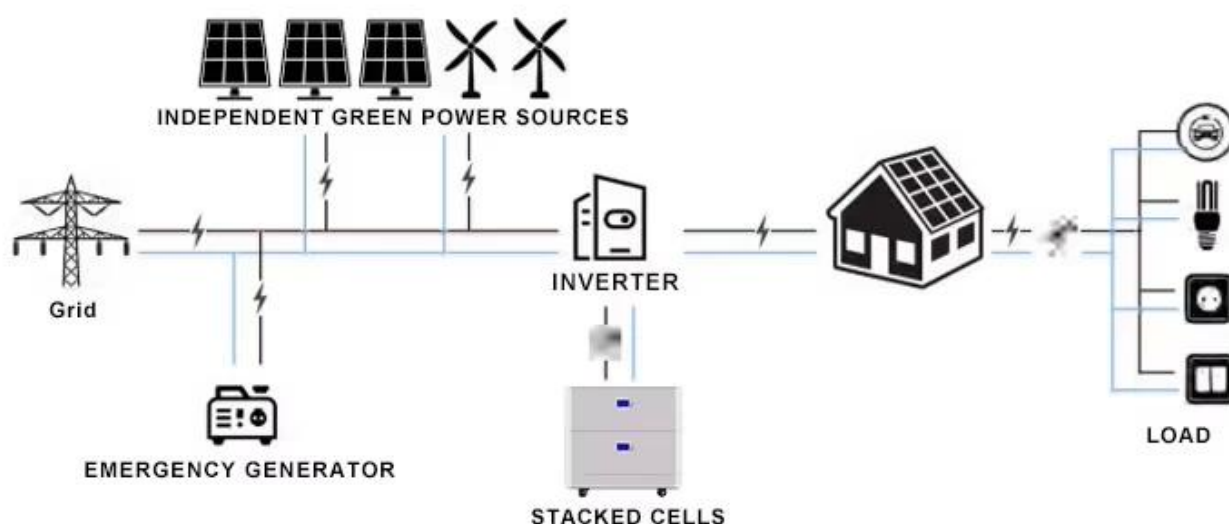
Overcurrent
Protection



Equalizing
Voltage

BMS

Charging solution



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℃~60℃	
	Storage And Shipping Temperature	-20℃~55℃	
	Relative Humidity	95%	
	Atmospheric Pressure	70kPa-106kPa	
Dimensions	Weight	47±3%Kg	Net weight
	Weight	53±3% Kg	Gross Weight
	Shell Marital:Sheet Metal	Sheet Metal Spray	White+black (optional)
	Size	635x500x160±3mm	Not including Install a baffle