



Product Features



High performance LFP battery cells of major brands are selected, with cycle life of 4000 and service life of more than 10 years. The comprehensive operation cost is low.



Standard chassis design makes the assembly convenient and fast. Combined products can meet the needs of different capacity and power.



With Perfect BMS protection function and all-round control system, the battery can run safely and efficiently



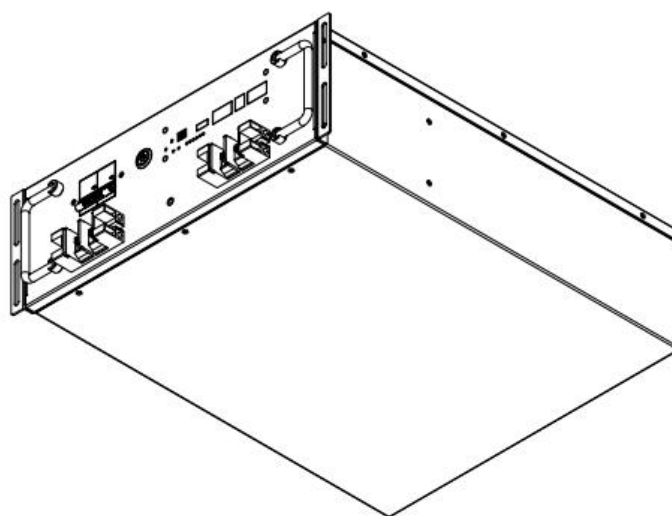
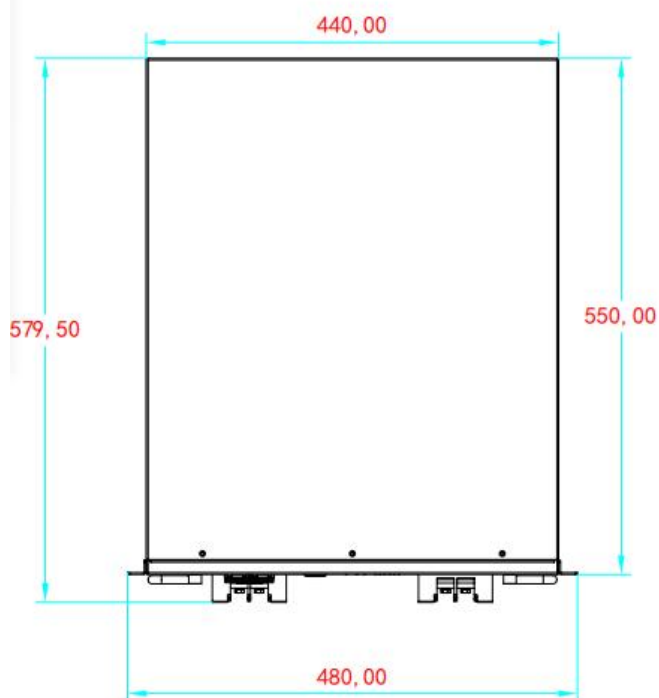
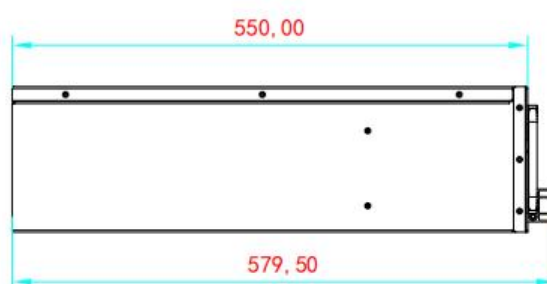
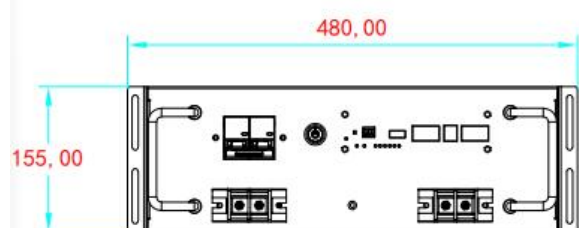
CAN2.0, RS485 and RS232 communication protocols are supported, and inverters of various brands can be matched.

Appearance and size

Dimension:

T*W*H: 155 x 440x550mm

No.	Item	Size(±2mm)	Note
1	Height(H)	550	
2	Width(W)	440	
3	Thickness(T)	155	



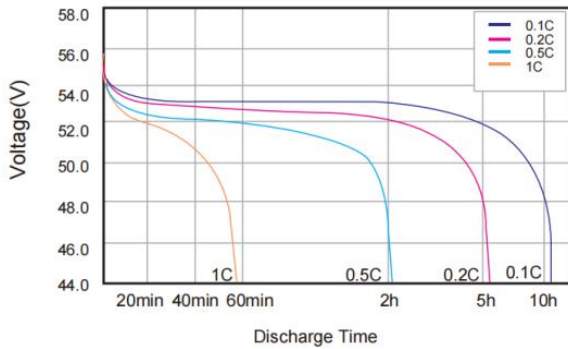
Technical Specifications

Basic parameters	Battery Model	WH 51.2V 100Ah
	Cell type	3.2V 100Ah A Grade cells
	Rated capacity	100Ah @C2, 25°C
	Rated voltage	51.2V 16S
	Energy	5.12Kwh
	Working voltage range	41.6V ~ 58.4V
	Cycle life@80%	≥6000 Cycles (80%DOD)
	Size	150*440*550mm
	Weight	48Kg
	Shell material	sheet metal
Charge	Standard Charge Voltage	56V
	Recommended charge current	20A
	Max charge current	100A
	Max charge voltage	58.4 V DC
Discharge	Max continuous discharge current	100A continuous (25°C)
	Discharge Cut-Off Voltage	44.8V
	Self-discharge	≤ 3% per month
Using environment	Charging temperature range	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Discharge temperature range	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
	Storage temperature range	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Enclosure IP grade	
Communication	Communication Interface	RS485、CAN (Optional)
Parallels	Parallels Function	Support 15 Units In Parallels
Installation method	Installation method	Rack mounted
Design Life	Design Life	10 Years
Certification	UN38.3,CE,MSDS	Yes

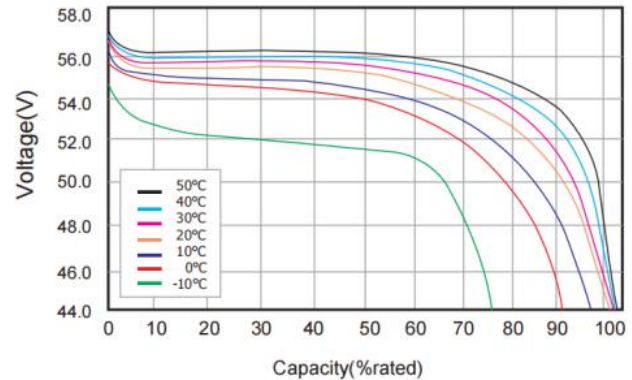
Performance Curve

🔌 Different current/Temperature Discharge curves

Different Rate Discharge Curve @25°C

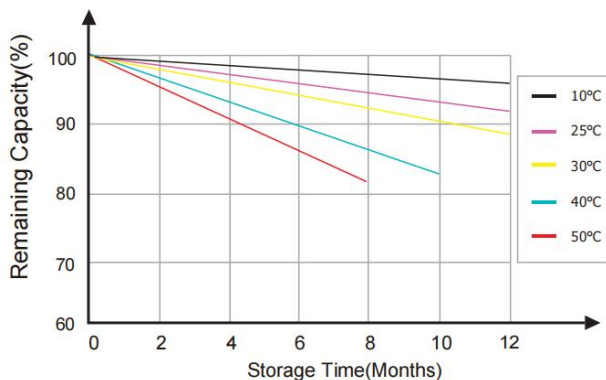


Different Temperature Discharge Curve @0.5C

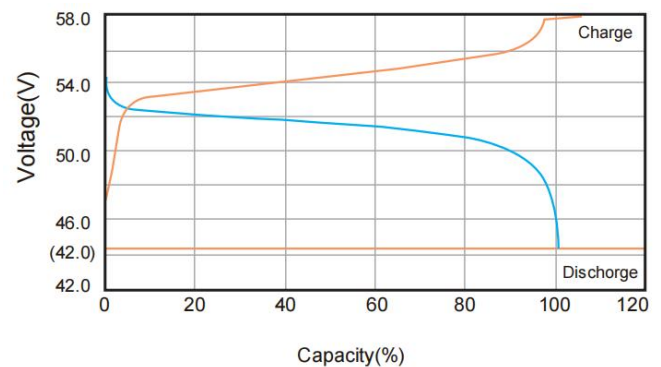


🔌 Charging and Discharge curve

Charge and Discharge at 25°C, 0.5C

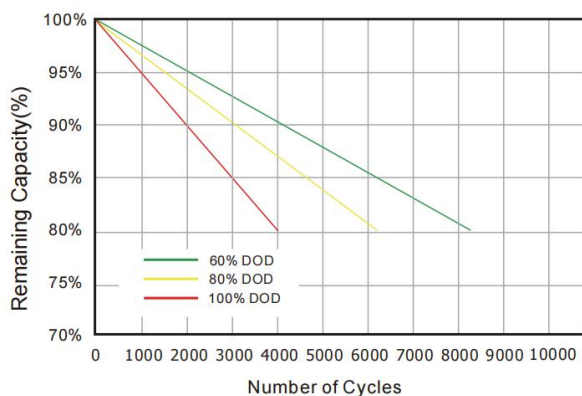


Different Temperature Self Discharge Curve



🔌 Cycle Life Curve

Different Discharge Depth Life Curves & 25°C, 0.5C



Different Discharge Depth Life Curves & 40°C, 0.5C

