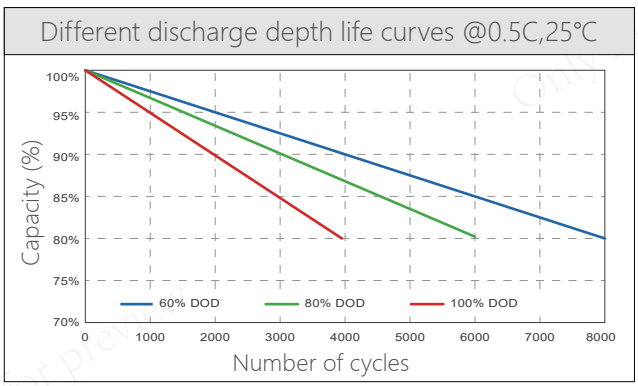
LFP51.2-100 51.2V100AH

Wall-Mounted $LiFePO_4$ Battery

General Feature

- Supports parallel expansion up to 16 parallel.
- Compatible with many mainstream inverter brands in the market.
- Installation mode can be wall hanging and floor.
- Built-in BMS system for battery life protection.
- Excellent safety: Adopt high grade a quality lithium iron phosphate material.
- Acceptable customization.



Bluetooth Connection

Short Circuit Protection

Temperature Protection

Charging Overvoltage Protection

Discharge Undervoltage Protection

OC/OD Protection

Application

- Solar/Wind Energy Storage System
- Communication Equipment
- Emergency Power System
- Medical Equipment
- UPS Backup Power
- Electric Vehicles/Electric mobility
- Fire And Security System
- Lighting

*Please note that all specifications are changed without notice.

LFP51.2-100 51.2V100AH

Wall-Mounted $LiFePO_4$ Battery

Product Parameter

Available electricity	5.12kWh
Rated capacity	100Ah
Combination mode	16S1P
BMS configuration	16S100A
Rated voltage	51.2V
Operating voltage range	41.6V~58.4V
Rated charge and discharge current	50A
Peak current	100A Continue @130A 500ms
Rated charging and discharging power	2.56kW
Peak power	5.12kW Continue @6.656kW 500ms
Short-circuit current	0.377Ka@100us
Cycle life	≥6000 Cycle, 80%DOD, 25℃
Communication mode	CAN, RS485, RS232
Parallel number	Recommend 6 in parallel(Max support 16 in parallel)
Remote data	Bluetooth / WiFi (Optional)
Weight	49±3%Kg
Dimensions (L*W*H) mm	425*145*675mm(No external accessories included)
Operating temperature	Charging: 0℃~+50℃ / Discharge: -20℃~+60℃
Relative humidity	0~95%
Storage temperature	<3 Months -10℃~25℃ / <1 Year 0℃~25℃
Maximum working altitude	2000m
Class of protection	IP20
Supports inverter communication brands	SMA/Growatt/TBB/Deye/GOODWE/Huawei/ Schneider/Victon energy/SOFAR/INVT
Installation mode	Wall hanging/Floor mounting
Power cable outlet mode	Upper
Standards and certification	MSDS, UN38.3

*1: Test conditions, cell voltage 2.6V~3.65V, the new battery at +25±2℃ 0.5C charging and discharging, available power may vary depending on the inverter;
*2: Rated charge and discharge current and power will change due to temperature and SOC.

*Please note that all specifications are changed without notice.