

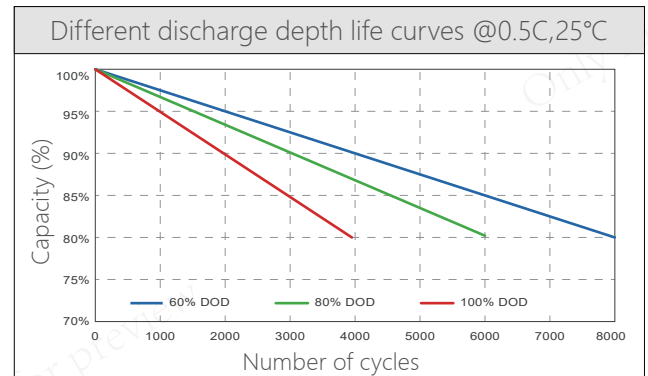


LFP12.8-100 12.8V100AH

Lithium Replaced Series

General Feature

- Longer cycle life: ≥ 6000 cycles.
- High energy density, good safety performance.
- Stable discharge voltage, low self-discharge rate.
- BMS Intelligent protection.
- Configurable Bluetooth, LCD.
- Wider temperature range: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$.



Discharge Overcurrent Protection



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.

LFP12.8-100 12.8V100AH

Lithium Replaced Series

Product Parameter

Available electricity	1.28kWh
Rated capacity	100Ah
Combination mode	4S1P
BMS configuration	4S100A
Rated voltage	12.8V
Operating voltage range	10V~14.6V
Rated charge and discharge current	50A
Peak current	100A Continue @105A 10s
Rated charging and discharging power	1.28kW
Peak power	1.28kW Continue @1.344kW 10s
Short-circuit current	0.327Ka@100us
Cycle life	≥6000 Cycle, 80%DOD, 25°C
Communication mode	No
Parallel number	Support 4 string 4 parallel
Remote data	No
Battery display	LCD
Weight	11±3%Kg
Dimensions (L*W*H) mm	235*137*260mm
Operating temperature	Charging: 0°C~+50°C / Discharge: -20°C~+60°C
Relative humidity	0~95%
Storage temperature	<3 Months -10°C~25°C / <1 Year 0°C~25°C
Maximum working altitude	2000m
Class of protection	IP20
Installation mode	Ground placement
Power cable outlet mode	Upper cover
Standards and certification	MSDS, UN38.3

*1: Test conditions, cell voltage 2.5V~3.65V, the new battery at +25±2°C 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.