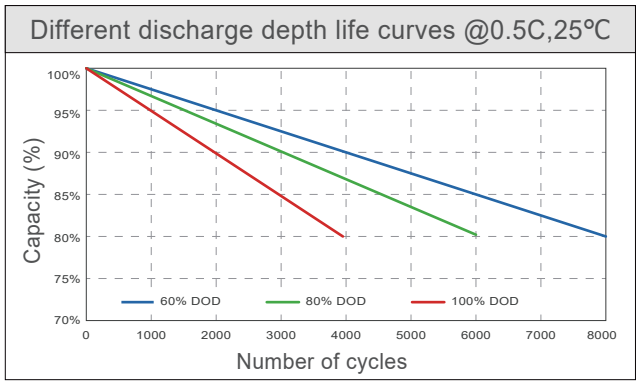
PUSTUN

LFP48-100 48V100AH

Rack Mounted LiFePO4 Battery

General Feature

- Supports parallel expansion up to 16 parallel.
- Compatible with many mainstream inverter brands in the market.
- Built-in BMS system for battery life protection.
- Excellent safety: Lithium iron phosphate chemistry eliminates the risk of explosion or combustion.
- Customizable, Bluetooth, LCD configurable.
- Wider temperature range: -20°C~60°C.



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.

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LFP48-100 48V100AH

Rack Mounted $LiFePO_4$ Battery

Product Parameter

Available electricity	4.8Kwh
Rated capacity	100Ah
Combination mode	15S1P
BMS configuration	15S100A
Rated voltage	48V
Operating voltage range	39V~55.5V
Rated charge and discharge current	50A
Peak current	100A Continue @120A 3s
Rated charging and discharging power	2.4Kw
Peak power	4.8Kw Continue @5.76Kw 3s
Short-circuit current	0.42Ka@100us
Cycle life	⩾6000 Cycle，80%DOD, 25°C
Communication mode	CAN, RS485
Parallel number	Recommend 6 in parallel(Maximum support 16 in parallel)
Remote data	Bluetooth optional/Wifi
Weight	47.83kg
Dimensions (L*W*H) mm	482*510*155mm
Operating temperature	Charging：0°C~+50°C / Discharge：-10°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	IP21
Supports inverter communication brands	SMA/Growatt/TBB/Deye/GOODWE/Huawei/ Schneider/Victon energy/SOFAR/INVT
Installation mode	Rack/Floor mounting
Power cable outlet mode	Front
Standards and certification	Transport UN38.3

*1：Test conditions, cell voltage 2.6V~3.7V, 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.

*Please note that all specifications are changed without notice.