

LiFePO₄ Lithium Battery 51.2V-100AH

High cycle life:

6000 cycles @ 80%, DOD,1C

Build in circuit protection:

Automatic recovery

Battery Management System (BMS)

Top brand, PACEEX

Compatibility:

A large range of inverters are compatible, Dye, SunSynk, Growatt etc.

Warranty:

10 Years or 6000 cycles 80% DOD



● Specifications

Nominal voltage		48V
Nominal capacity		100Ah
Dimensions	Length	370±2mm (13.78inch)
	Width	160±2mm (7.48inch)
	Height	600±2mm (19.69inch)
	Total height	600±2mm (19.69inch)
Approx. weight		42.2kg (93.03lbs)±2kg

● Characteristics

Electrical Parameters (25°C)	Rated Voltage	51.2V
	Rated Capacity (C ₅)	100Ah@25°C
	Energy	5120Wh
	Months Self Discharge	<3%
	Charge Efficiency	99.5%@ 1C
	Discharge Efficiency	96-99%@ 1C
Terminal Diameter		M8
Internal resistance (Fully charged, 25°C)		≤200mΩ
Cycle life		>6000 cycles @ 1C 80%D.O.D
Capacity affected by temperature	40°C	101%
	25°C	100%
	0°C	90%
	-10°C	75%
Nominal operating temperature		25°C± 3°C (77°F± 5°F)
Operating temperature range	Discharge	- 20°C~ 60°C (-4°F ~ 140°F)
	Charge	0°C~ 45°C (32°F ~ 113°F)
	Storage	0°C~ 40°C (32°F ~ 104°F)
Water Dust Resistance		IP50
Charge Voltage		57V
Standard Charge Mode (25°C±2°C, <75%RH)		1CA Constant Current to 57V, then Constant Voltage 57V until the current drops to 1CA, before use, rest 30 minutes
Charge Current		100A
Maximum Charge Current		100A
Charge Cut off Voltage		57V
Continuous Discharge Current		100A
Maximum Pulse Current		150A (<1S)
Discharge Cut Off Voltage		46V
Communicate Protocol (optional)		RS485/RS232/CAN
SOC (optional)		Screen/LED/PC Software
Application connection		1 string 1 parallel
Mechanical	Cells	16 Strings
	Container	Metal

● Outer dimensions (mm)

