

LiFePO4 BATTERY PACK

FEATURES Lithium Iron Phosphate (LiFePO4) : the Safest Lithium Technology.
Integrated Smart Battery Management System (BMS).
Bluetooth
SOC LED Indicator.

PERFORMANCE Long Cycle Life > 5000 cycles @ 100% DOD.
High Density, High Discharge Current, High Temperature Range.
Low Weight, Free Maintenance.
Fast Charging.
Environment Friendly.



LFP25.6-100(25.6V100Ah)

BATTERY DATA SHEET

Electrical Parameters

Nominal Voltage	25.6 V
Rated Capacity	100 Ah
Energy	2560 Wh
Resistance	≤ 30m Ω
Efficiency	99%
Cycle Life	> 5000 cycles @ 0.2C, 100% DOD
Self Discharge	2% per Month

Mechanical Parameters

Dimension(L x W x H)	522 x 228 x 250 mm
	20.6 x 6.97 x 9.8"
Weight	29.6 kg (65.12 lbs)
Terminal Type	M8
Battery Housing	ABS, UL-94 V-0
Housing Protection	IP65
Cell Type-Chemistry	LiFePO4 Cylindrical Cell

Discharge Parameters

Continuous Discharge Current	100A
Pulse Discharge Current	300A(3 seconds)
Recommended Volt. Disconnect	20V
BMS Discharge Cut-off Voltage	16V
Reconnect Voltage	18.4V
Short Circuit Protection	200~600 us

Charge Parameters

Charge Method	CC-CV
Charge Voltage	28.8~29.6 V
Recommended Float Voltage	27.6 V
Recommended Charge Current	50A
Maximum Charge Current	100A
BMS Charge Cut-off Voltage	15.6V

Compliance Certificate

Certifications	UL1642(MH63377)
	CE
	IEC62133 & CB
	KC
	BIS
Shipping Classification	UN3480, Class 9, UN38.3

Temperature Parameters

Discharge Temperature	-40 to 65°C (-22 to 151°F)
Charge Temperature	0 to 45°C (32 to 113°F)
Storage Temperature	-40 to 65°C (-40 to 151°F)
BMS High Temperature Cut-off	80°C (176°F)

