

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



LFP12.8-100(12.8V100Ah)

BATTERY DATA SHEET

Electrical Parameters

Nominal Voltage	12.8V
Rated Capacity	100 Ah
Energy	1280 Wh
Resistance	≤30m Ω
Efficiency	99%
Cycle Life	>5000cycles @0.2C,100% DOD
Self Discharge	2% per Month

Mechanical Parameters

Dimension(L x W x H)	330 x 173 x 212 mm 13 x 6.8 x 8.3"
Weight	15.6kg(34.32lbs)
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	10V
BMS Discharge Cut-off Voltage	8V
Reconnect Voltage	9.2V
Short Circuit Protection	200~600 us

Charge Parameters

Charge Method	CC-CV
Charge Voltage	14.4~14.8V
Recommended Float Voltage	13.8V
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)

