

LiFePO4 Battery Pack 12.8V Series : KMW12V100Ah



KAIMEIWEI

ELECTRICAL PROPERTIES

Nominal Voltage	12.8 V
Nominal Capacity	100Ah
Energy	1280Wh
Resistance	≤15 mΩ @ 50% SOC
Self Discharge	<3% per Month
Cells	

CHARGE

Recommended Charge Current	20A
Maximum Charge Current	50A
Recommended Charge Voltage	14.6V
Over Charge Voltage Protection(OVP)	14.6V (3.65V/Cell)
Recovery from OVP	14.2V (3.55V/Cell)
Balancing Voltage	14.0 V(3.5V/Cell)
Max Quantity of Packs in Series	4 to 51.2V(Nominal)

MECHANICAL PROPERTIES

Dimension (L x W x H)	330 x 170 x 210mm 13" x 6.7" x 8.2"
Approx. Net Weight	25lbs (11.3kg)
Terminal Type	M8
Terminal Torque	80- 100 in-lbs (9~11 N-m)
Case Material	Power Coated Steel Case
Ingress Protection	IP50(Indoor Recommended)

DISCHARGE

Max Continuous Discharge Current	120A
Over Current Protection1	300 A (250ms)
Over Current Protection2	700A(25ms)
Recommended Low Voltage Cut-off	11.2V
Over Discharge Protection (ODP)	10.0V (2.5V/Cell)
Recovery from ODP	11.6 V (2.9V/Cell)

TEMPERATURE

Discharge Temperature	-4 ~ 149°F (-20 ~ 65°C)
Charge Temperature	32 ~ 113°F (0 ~ 45°C)
Storage Temperature	-4 ~ 131°F (-20 ~ 55°C)
Over Temperature Protection(OTP)	167°F(75°C)
Recovery from OTP	127.4°F(53°C)

COMPLIANCE

Certifications	UN3480,Class9,MSDS,RoHs)
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COMMUNICATION

APP Monitoring by Bluetooth Connection	
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FUNCTION OPTIONAL(Extra Custom)

Internal Self-Heating to 41°F(5°C) before Charge	
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Luxury villa



Communication base station



Plant power



Residential electricity

Product features:



High Performance True A+ Cell*16 Fastening Connected in series



Intelligent Battery Management System(BMS) inside to provide automated and maintenance free operation



2 Temperature sensors against extreme low/high temperatures



15+ Year Typical Lifespan & 5 Years Warranty



Detachable & Replaceable Design for all parts



4 units of full Cell Holders made by flame retardant plastic to supply the more stable space structure for better heat dissipation and better working condition for cells