

LiFePO4 Battery Pack 12.8V Series : KMW12V240Ah



KAIMEIWEI

ELECTRICAL PROPERTIES

Nominal Voltage	12.8 V
Nominal Capacity	240Ah
Energy	3072Wh
Resistance	≤15 mΩ @ 50% SOC
Self Discharge	<3% per Month
Cells	

CHARGE

Recommended Charge Current	20A
Maximum Charge Current	100A
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)	550 x 230 x 220mm 21.6" x 9" x 8.6"
Approx. Net Weight	67.9lbs (30.8kg)
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	200A
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
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Communication base station
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Plant power
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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