

# LiFePO4 Server Rack Battery Pack 48V

## Series : KMW48V100AH



KAIMEIWEI

### ELECTRICAL PROPERTIES

Model	KMW48V100D
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5120Wh
Self Discharge	<3% per Month
Max Quantity of Packs in Series	1 (Do Not Exceed 48V)
Max Batteries in Parallel	64 (within a BMS system)
Max Batteries in Parallel(not in a BMS system)	Unlimited,need confirmation

### CHARGE

Continuous Charge Current (Recommended/Maximum)	0 ~ 63A / 100A
Charge Voltage Settings (Recommended/Maximum)	57.8V / 58.4V
Over Voltage Protection	>58.4V(Pack)/3.65V(Cell)

### DISCHARGE

Max Continuous Discharge Current	100A
Discharge Over Current Protection	200A (3 Seconds)
Low-Voltage Protection (LVP)	40V
Recovery from LVP	44V

### 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)
Low Temperature Charge Protection	Yes
Internal Temperature Sensors	4 Cell Sensors,1 BMS Sensor,1 Ambient Air Sensor

### MECHANICAL PROPERTIES

Case Material	Powder Coated Steel
Rack Mountable	Yes, 19" EIA Server Rack and Lvgoo assembly Racks
Dimensions	Height: 7in /17.7cm(4U)
	Depth: 18in/45cm + 1.26"/3.2cm for handles/terminals Width: 17.5in/44.2cm Without ears; 19in/48.2cm with ears,Fits Standard 18" Server Rack
Pack Net Weight	43.3KG / 95.5Lbs
Ingress Protection	IP50(Indoor Recommended)

### COMPLIANCE

Certifications	UN3480,Class9,MSDS,RoHs
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### FUNCTIONS OPTIONAL(Extra Custom)

APP Monitoring by Bluetooth Connection



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



5 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