





Large Capacity Battery System Designed For PV Household Application.

Battery Series

M48100



-  Plug & Play
-  Modular
-  Safety
-  Long Lifetime

Physical

Model	M48100
Battery Type	LiFePO ₄ (LFP)
Battery Manufacturer	
System Weight	63 kg
Dimension (W x D x H)	482 x 580 x 158 mm
Protection Level	IP20

Electrical

Installed Capacity	4.8 kWh
Usable Capacity	4.3 kWh
DOD	90%
Nominal Voltage	48 V
Operation Voltage Range	46 - 54 V
Internal Resistance	≤30 mΩ
Cycle Life	≥6000

Warranty

Product Warranty	5 Years
Performance Warranty	10 Years

BMS

Power Consumption	<2 W (Work) <100 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement.
SOC	Intelligent algorithm
Communication	CAN and RS-485 compatible

System Configuration

Module Parallel	1 ~ 6 Parallel
Capacity Range	4.8/9.6/14.4/19.2/24/28.8 kWh

Operation

Max. Charge Current	50 A (0.5C)
Max. Discharge Current	50 A (0.5C)
Operating Temperature Range	-10°C ~ 50°C
Transport Or Storage Temperature Range	-20°C ~ 45°C
Humidity	15% ~ 85% (No Condensing)

Cabinet

Dimension (W x D x H)	600 x 600 x 990/1390 mm
Max. Modules	4/6
Color	Black
Protection Level	IP20

* When the temperature is below 0°C, batteries are not allowed to be charged, and they will derate power output when it is above 40°C.



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