





Battery System Designed For PV Commercial Application


Battery Series

M48112-S



-  Plug & Play
-  Modular
-  Safety
-  Long Lifetime

Physical

Model	M48112-S
Battery Type	LiFePO ₄ (LFP)
Battery Manufacturer	
Weight	65 kg
Dimension (W x D x H)	450 x 580 x 165 mm
Protection Level	IP20

Electrical

Energy Capacity	5.73 kWh
Usable Capacity	5.16 kWh
DOD	90%
Nominal Voltage	51.2 V
Operation Voltage Range	45 - 58 V
Internal Resistance	≤30 mΩ
Cycle Life	≥6000

BMS

Power Consumption	<2 W (Work) <100 mW (Sleep)
Monitoring Parameters	Intelligent algorithm
Communication	CAN

System Configuration

Module Parallel	4-13 Series
Capacity Range	22.9/28.7/74.5 kWh

Operation

Max. Charge Current	112A1C)
Max. Discharge Current	112A(1C)
Operating Temperature Range	-10°C ~ 50°C
Transport Or Storage Temperature Range	-20°C ~ 45°C
Humidity	15% ~ 85%

Warranty

Product Warranty	5 Years
Performance Warranty	10 Years



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