



YOUR  
SMART  
ENERGY



# BATTERY M48112-S

COMMERCIAL &  
INDUSTRIAL SERIES

CAPACITY ►

5.7 kWh modular



Modular

Plug & play

Safe

Long lifespan

# BATTERY M48112-S



Model	M48112-S
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	EVE
System Weight	65 kg
Dimension (W x D x H)	491 x 611 x 160 mm*
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
Energy Capacity	5.7 kWh
Usable Capacity	5.2 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 56.3 V
Internal Resistance	≤ 30 mΩ
Cycle Life	≥ 6000
<b>Operation</b>	
Max. Charging Current	112 A
Max. Discharging Current	112 A
Operating Temperature Range	-10 °C ~ 50 °C**
Relative Humidity	15% ~ 85%
<b>BMS</b>	
Modules Connection	5 ~ 13 in series
Capacity	28.6 / 34.4 / 40.1 / 45.9 / 51.6 / 57.3 / 63.1 / 68.8 / 74.5 kWh
Power Consumption	BMU Unit: ≤ 15 W (Work), ≤ 10 mW (Sleep) Battery: ≤ 0.6 W (Work), ≤ 10 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature.
Communication	CAN and RS-485 compatible
BMU Model	HV900112 (TOP BMU required with more than one parallel cluster)

\* Including hangers and handles

\*\* When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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