


BATTERY M48112-S



Model	M48112-S
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 EVE ENERGY VERY ENDURE
System Weight	65 kg
Dimension (W x D x H)	450 x 580 x 165 mm
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	5.7 kWh
Usable Capacity	5.2 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 57.6 V
Internal Resistance	≤ 30 mΩ
Cycle Life	≥ 6000
Operation	
Max. Charging Current	112 A (1C)
Max. Discharging Current	112 A (1C)
Operating Temperature Range	-10 °C ~ 50 °C*
Humidity	15% ~ 85%
BMS	
Modules Connection	4 ~ 15 in series
Capacity	22.9 / 28.6 / 34.4 / 40.1 / 45.9 / 51.6 / 57.3 / 63.1 / 68.8 / 74.5 / 80.2 / 86.0 kWh
Power Consumption	< 2 W (Work), < 100 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)

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



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