

● YOUR
● SMART
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BATTERY M4856-P


HOME SERIE
CAPACITY ▶
2.9 kWh modular



Modular
Outdoor / Indoor
Safe
Long lifespan

BATTERY M4856-P



Model	M4856-P
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 EVE ENERGY VERY ENDURE
System Weight	42 kg
Dimension (W x D x H)	610 x 236 x 303 mm
IP Protection	IP21 (Indoor) / IP65 (outdoor)
Warranty	10 Year Battery Warranty
Electrical	
Energy Capacity	2.9 kWh
Usable Capacity	2.8 kWh
Depth of Discharge (DoD)	96%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 57.6 V
Internal Resistance	≤ 30 mΩ
Cycle Life	10 000*
Operation	
Max. Charging Current	56 A (1C)
Max. Discharging Current	56 A (1C)
Max. Short-circuit Current	200 A
Operating Temperature Range	-10 °C ~ 50 °C**, 0 °C ~ 40 °C (1C)
Humidity	15% ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	2.9 / 5.8 / 8.6 / 11.5 / 14.4 / 17.2 kWh
Usable Capacity	2.8 / 5.5 / 8.3 / 11.0 / 13.8 / 16.5 kWh
Power Consumption	< 2 W (Work), < 100 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication	CAN and RS-485 compatible
Certification	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

*Under specific test conditions

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



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