




# BATTERY M4856-P



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