

● YOUR  
● SMART  
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# BATTERY M48240-S

COMMERCIAL &  
INDUSTRIAL SERIES

**CAPACITY** ►

11.5 kWh modular



Modular

Safe

Long lifespan

# BATTERY M48240-S



Model	M48240-S
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	HIGEE
System Weight	112 kg
Dimension (W x D x H)	590 x 677 x 195 mm*
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
Nominal Capacity	11.5 kWh
Usable Capacity	10.4 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 52.8 V
Internal Resistance	≤ 10 mΩ
Cycle Life	≥ 6000
<b>Operation</b>	
Max. Charging Current	120 A
Max. Discharging Current	120 A
Operating Temperature Range	-10°C ~ 50°C**
Relative Humidity	15% ~ 85%
<b>BMS</b>	
Modules Connection	6 ~ 16 in series
Capacity	69.1 / 80.6 / 92.2 / 103.7 / 115.2 / 126.7 / 138.2 / 149.8 / 161.3 / 172.8 / 184.3 kWh
Power consumption	BMU Unit: <15 W (Work), <10 mW (Sleep) Battery: <0.5 W (Work), <10 mW (Sleep)
Monitoring parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
BMU Model	HV900120 (TOP BMU required with more than one parallel cluster)
<b>Certification</b>	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

\* Including hangers and handles

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



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