

● YOUR  
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## BATTERY M38210-S

COMMERCIAL &  
INDUSTRIAL SERIES

CAPACITY ►

8.1 kWh modular



Modular

Plug & play

Safe

Long lifespan

# BATTERY M38210-S



Model	M38210-S
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	EVE
System Weight	62 kg
Dimension (W x D x H)	326 x 560 x 222 mm
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
<b>Electrical</b>	
Energy Capacity	8.1 kWh
Usable Capacity	7.3 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	38.4 V
Operating Voltage Range	36 ~ 42.2 V
Internal Resistance	≤ 10 mΩ
Cycle Life	≥ 6000
<b>Operation</b>	
Max. Charging Current	105 A
Max. Discharging Current	105 A
Operating Temperature Range	-10 °C ~ 50 °C*
Relative Humidity	15% ~ 85%
<b>BMS</b>	
Modules Connection	6 ~ 20 in series
Capacity	48.4 / 56.4 / 64.5 / 72.6 / 80.6 / 88.7 / 96.8 / 104.8 / 112.9 / 121.0 / 129.0 / 137.1 / 145.2 / 153.2 / 161.3 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	HV900105 (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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