

● YOUR
● SMART
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BATTERY R38210-20S

COMMERCIAL &
INDUSTRIAL SERIES

CAPACITY ►

145.92 kWh modular



Modular

Plug & play


Safe

Long lifespan



BATTERY M38210-S



Cell	LF 105
Cell Type	LFP (LiFePO ₄)
Manufacturer	
Cell Voltage	3.2 V
Cell Capacity	100 Ah
Dimension (W x D x H)	130.3 × 37.0 × 200.5 mm
Weight	1.98 kg
Battery Module	M38210-S
Cell connection method	2 parallel and 12 strings
Nominal Voltage	38.4 V
Operating Voltage Range	36.0 ~ 43.2 V
Energy Capacity	7.3 kWh
Usable Capacity	6.6 kWh
Depth of Discharge (DoD)	90%
Internal Resistance	≤10 mΩ
Cycle Life	≥6000
Max. Charging Current	95 A (0.5C)
Max. Discharging Current	95 A (0.5C)
Operating Temperature Range	10 ~ 50 °C
Humidity	15% ~ 85%
Weight	≤63 kg
Dimension (W x D x H)	325.5 x 560.0 x 222.2 mm
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
High Voltage Control Box	HV900105
Power Consumption	<10 W
Max. Voltage	900 V
Operating Voltage Range	200 ~ 900 V
Rated Output Current	105 A
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
Battery Rack	R38210-20S
System Capacity	145.92 kWh
Configuration	3 columns and 7 rows
Specification	20*M38210-S+1*HV900105
Dimension (W x D x H)	1072.5 x 600.0 x 2240.0 mm
Weight	≤1460 kg

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



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