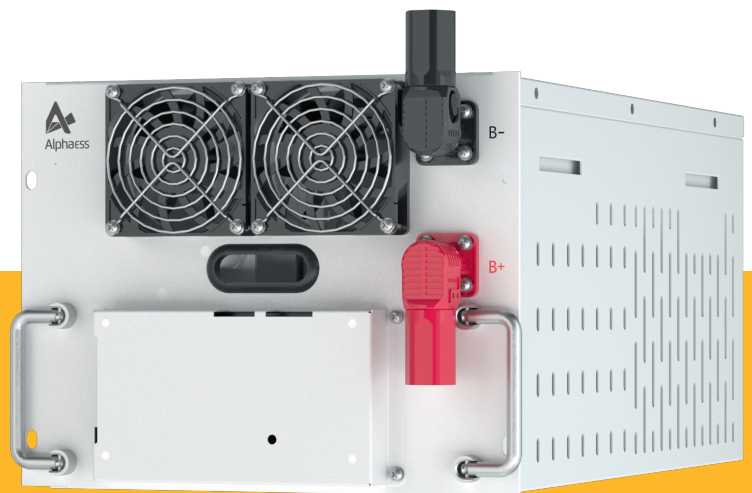


- YOUR
- SMART
- ENERGY



BATTERY
M38180-S
COMMERCIAL &
INDUSTRIAL SERIES

CAPACITY
6.9 kWh Battery Module




- Modular
- Plug & Play
- Safe
- Long Lifespan

BATTERY

M38180-S



Model	M38180-S
Physical	
Battery Type	LFP (LiFePO ₄)
Cell Manufacturer	
System Weight	64 kg
Dimension (W x D x H)	326 x 624 x 250 mm
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	6.9 kWh
Usable Capacity	6.2 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	38.4 V
Operating Voltage Range	36 ~ 43.2 V
Internal Resistance	≤10 mΩ
Cycle Life	80%EOL with ≥6000@1C 25°C
Operation	
Max. Charging Current	180 A
Max. Discharging Current	180 A
Operating Temperature Range	-10 °C ~ 50 °C*
Relative Humidity	15% ~ 85%
BMS	
Modules Connection	8 ~ 20 in series
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	HV900180 (TOP BMU required with more than one parallel cluster)

* Max. charge/discharge current derating will occur related to temperature and SOC.



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