



Powerflo5 Server Rack Battery

Energy Capacity: 5.12kWh

Nominal Voltage: 51.2V



EVE A+ Grade Lithium
Iron Phosphate Cells
(A+ is the best grade and is used in electric vehicles)



15 Year Design Life
Longest in the Industry
10-Year Warranty

1

Battery automatically assigns addresses.
No dip switch programming required.

2

Automatically identify the inverter protocol
and communicate with the Sol-max AIO
inverter in a closed loop.

3

Each battery can be monitored with the
MNpower Assistant app, with bluetooth
or optional software.

4

BMS Firmware can be upgraded remotely
with the Sol-max AIO Inverter.

5

Built in battery heating



5U 25.6kWh



MN15-12KW-AIO

Product Advantages

Longer Life and Safer

- EVE A+ grade lithium iron phosphate
- Battery management system with multi-level protection

Flexible and Expandable

- Up to 20 units in parallel
- The system's energy capacity is up to 100kWh

Easy to Install and Use

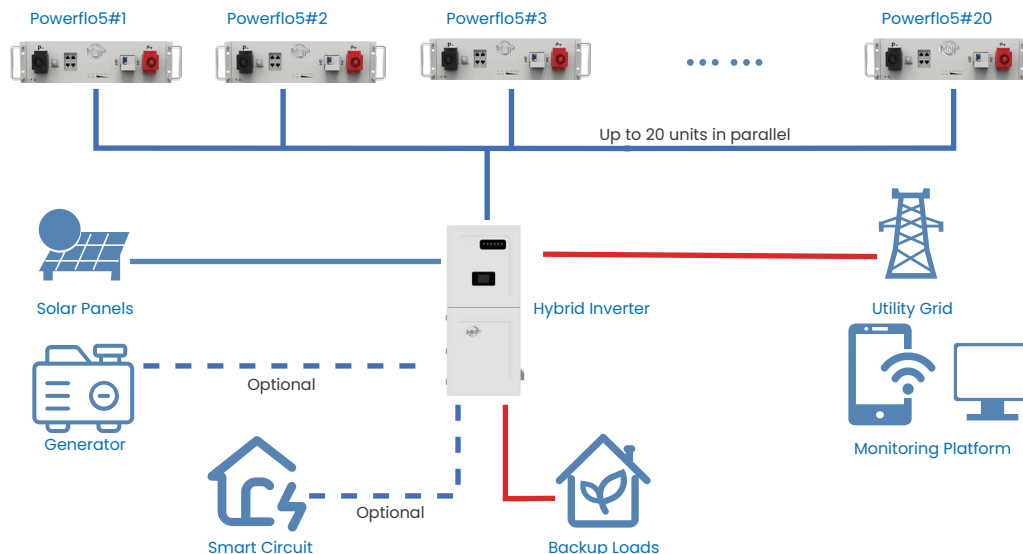
- Applications Residential, Commercial, Industrial, Off-grid, grid tie and self-consumption. Compatible with all 48V inverters that support LFP
- Compatible with the "PYLON" protocol

Smart

- Guaranteed not to lose closed loop communication from future updates with Sol-max AIO inverter

Compliance

- UL 1973, UL 9540A, UL9540



Product Name

Sol-max Powerflo5

Electrical Characteristics

Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5,120Wh
Battery Chemistry	Lithium Iron Phosphate(LFP)
Cycle Life	6,000 cycles @77°F (25°C), 80% DOD, 0.5C/0.5C
Operating Voltage	46.4~57.6V
Communication Interfaces	CAN/RS485/RS232
Scalable	Up to 20 units

Charge&Discharge

Continuous Charging Power	75A / 3.84 kW
Continuous Discharging Power	75A / 3.84 kW
Max. Discharging Power	100A / 5.12 kW

Environmental

Environment	Indoor(Type 1) non condensing
Charging Temperature	32°F to 122°F (0°C to 50°C)*
Discharging Temperature	-4°F to 140°F (-20°C to 60°C)
Storage Temperature	32°F to 77°F (0°C to 25°C)
Altitude	Maximum 9,843 ft(3,000m)
CoolingMethod	Natural Convection
IP Rating	IP20

Mechanical

Dimension(L x W x D)	17.7×17.4×5.2in(450*444*133mm)
Weight	96.5lbs(43.8kG)
Installation	Rack mount

* When the battery cells are below 50°F (10°C), and the battery is in charging status, the internal heating pads start to operate. The battery begins charging when the cell temperature is between 32°F and 122°F (0°C and 50°C).