

MNPowerflo5 Server Rack Battery

Version: v1.0.0



- 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

1

Battery automatically assigns addresses.
No dip switch programming required.

2

Automatically identify the inverter protocol
and communicate with the MidNite AIO
inverter in a closed loop.

3

Each battery can be monitored with the
MidNite Pro app or optional software.

4

BMS Firmware can be upgraded remotely
with the MidNite AIO Inverter.



MNPowerflo5 3U 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 16 units in parallel.
- The system's energy capacity is up to 81kWh.

Easy to Install and Use

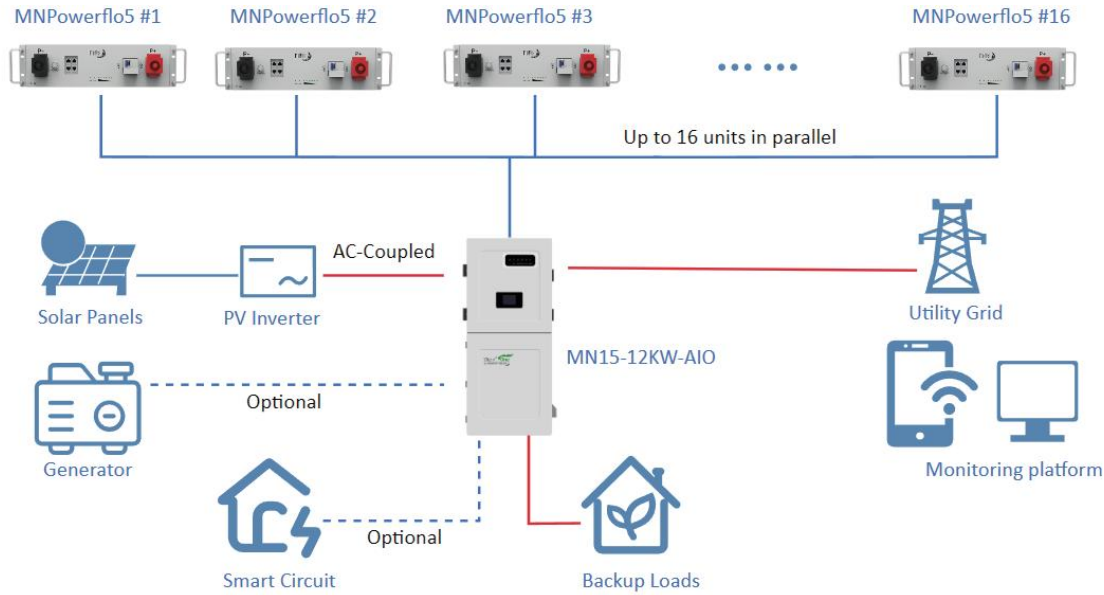
- Applications Residential, Commercial, Industrial, Off-grid, grid tie and self-consumption. Compatible with all 48V inverters that support LFP.
- Compatible with the "PYLON" protocol.

Smart

- Guaranteed not to lose closed loop communication from future updates with MidNite AIO inverter.

Compliance

- UL 1973, UL 9540A, UL9540



Product Name		MNPowerflo5
Electrical Characteristics		
Nominal Voltage		51.2V
Nominal Capacity		100Ah
Energy		5,120Wh
Battery Chemistry		Lithium Iron Phosphate (LFP)
Impedance		≤0.30mΩ
Cycle Life		6,000 cycles @77°F(25°C), 0.5C/0.5C
Operating Voltage		46.4~57.6V
Communication Interfaces		CAN/RS485/RS232
Scalable		Up to 16 units
Charge&Discharge		
Nominal Discharging Current		75A
Nominal Charging Current		75A
Max. Discharging Current		100A
Environmental		
Environment		Indoor(Type 1)
Operating Temperature		32°F to 122°F (0°C to 50°C)
Storage Temperature		14°F to 113°F (-10°C to 45°C)
Altitude		Maximum 9,843 ft (3,000 m)
Cooling Method		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