

48V 280ah Battery Pack DIY Kits

- 24V 48V 16S Box Without Battery
- Support CANBUS/RS485



Basic Parameters	MASON-280
Nominal Voltage (V)	51.2V
Nominal Capacity (Ah)	280Ah @0.5C discharge current 25±2°C
Nominal Power (Wh)	14.3KWh
Dimension (mm)	750*440*251mm
Weight (Kg)	30KG(without battery)
Discharge Cut-off Voltage (V)	41.6V
Charge Voltage (V)	57.6V
Continuously Charge/Discharge Current (A)	140A @25±2°C (Recommended)
Max Standard charge/discharge Current (A)	200A @25±2°C
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Working Temperature	0~50°C(Charge)
	-10~50°C(Discharge)
	-20~55°C(Storage)
SOC Range	5%-100%
Recommended SOC Range	15-95%
Communication Interface	CAN (Default)or RS485
Humidity	10% - 85%
IP level	IP 20

Packing List:

- 1 * Battery Case (Bottom case, Front Panel, Top Bracket, Front Bracket, Top cover)
- 1 * 48V 200A 16S SEPLOS BMS
- 1 * 58V 400A Fuse
- 4 * Handle
- 2 * PCB Board for BMS and Cell Connection
- 3 * Upper and Lower Latch lock
- 1 * LCD Screen
- 1 * LCD Screen Sticker
- 4 * Button Cap
- 3 * Wires (LCD Screen wire, PCB board A and PCB board Connector)
- 2 * Battery Terminals (P+ Terminal and P- Terminal)

Other components includes:

- 6 * Copper bus bars (BMS connection)
- 15 * Aluminum bus bars (Cell connection)
- 10 * Epoxy sheet (Between cell and the case)
- 26 * EVA Tape (Between cells)
- 1 * PC sheet (Top cover)

Screws Details:

- 12 * Phillip Hex M4 * 8mm (PCB board fix)
- 9 * Phillip Hex M5 * 8mm + Washer + Spring Set(Ground cable and top bracket fix)
- 7 * Phillip Hex M6 * 25mm + Washer + Spring Set(Front Panel fix)
- 10 * Phillip Round M3 * 8mm + Washer + Spring Set(BMS and LCD Screen fix)
- 12 * Phillip Pan M5 * 10mm (Latch fix)
- 16 * Hexagan Socket Pan M4 * 10mm (P+/P- Terminals fix)
- 42 * Hexagan Socket Countersunk M4 * 10mm (Handle and battery case)
- 4 * Phillip Hex M6 * 14mm + Washer + Spring Set(foot fix)
- 5 * Phillip Hex M8 * 10mm + Washer + Spring Set (P+/P- Bus bar fix)
- 8 * Phillip Round M5 * 10mm + Washer