



48V 5.5KWH

# AM-2

REVISION 2

V1.0

- Low self discharge ✓
- High cycle and service life ✓
- Easy wall mount or shelf rack installation ✓
- Excellent high temperature performance ✓
- Advanced BMS with current limiting function ✓
- Compatible with most inverters and chargers ✓
- High energy density and conversion efficiency ✓
- Cloudlink integration ready for wifi monitoring ✓
- Complete with integrated Battery Management System ✓
- Heavy duty side handles for easy handling and mounting on the wall ✓
- Built in protection for over-charge, over-discharge & over-temperature ✓
- CAN Bus, fully integrates and communicates with leading Inverter brands ✓

# TECHNICAL DATA

ITEM	SPECIFICATIONS
Model	AM-2
*Rated Capacity (5HR)	116 Ah
Nominal Voltage	48 V
Design Capacity	5.5 KWH
Equalized Charge Voltage	53.8 V
Max. Continuous Charging Current	105 A
Max. Continuous Discharging Current	105 A
C Rating	1.0 C
Depth of Discharge	100%
Weight	Approx. 42 Kg
Display	None
Parallel	Parallel connection up to 15 packs with full communications
Dimensions (WxDxH) mm	375mm x 145mm x 467mm
Ports	1x CAN-bus, 2x Battery Link Ports
Cells	New Li-ion Prismatic Cells
Design Life	+/- 15 Years
Cycle Life @ 1C	+/- 6000 Cycles @ 50% DOD, Above 3000 cycles @ 100% DOD
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	White bake lacquer steel case
Operating Temperature	Charging: 0 to +55°C   Discharging: -20 to +55°C   Storage: -20 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting

*\*Due to continuous product improvements specifications are subject to change without prior notice.*

*\*\*To prolong battery life the recommended charge current is 30 A.*

*\*\*\*Ah design capacity nominally is between 110Ah and 120Ah.*



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