

AMO Rack Mount



AS48100 | **AS48200**
AS51100 | **AS51200**



Intelligent Each Battery With Independent BMS System



Easy to install Plug And Play To Minimize The Installation Time



Perfect Compatible With Most of The Available Hybrid Inverters



Long life & safety Ensures ≥ 6000 Cycles With 80% DOD

PERFORMANCE SPECIFICATIONS

Model	AS48100	AS48200	AS51100	AS51200
Cell model/Configuration	3.2V 100Ah/15S1P	3.2V 100Ah/15S2P	3.2V 100Ah/16S1P	3.2V 100Ah/16S2P
Battery Type	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)
Rated Energy (KWH)	4.8KWH	9.6KWH	5.12KWH	10.24KWH
Usable Energy(KWH)	3.84KWH	7.68KWH	4.1KWH	8.2KWH
Max.Charge/Discharge Current(A)	100A/100A	100A/100A	100A/100A	100A/100A
Voltage Range (Vdc)	42-54V	42-54V	44.8-57.6V	44.8-57.6V
Scalability	Up to 15 parallel		Up to 15 parallel	
Cycle Life	≥ 6000 cycles@25°C, 0.5C, 80%DOD, 60%EOL		≥ 6000 cycles@25°C, 0.5C, 80%DOD, 60%EOL	
Warranty	5 Years (25°C)		5 Years (25°C)	
Design Life	10+ Years (25°C /77F)		10+ Years (25°C /77F)	

MECHANICAL SPECIFICATIONS

Net Weight(Approx) (KG)	43.2kg	76.8kg	45.1kg	81.6kg
Dimension(mm)(226 Including hanger)	480*483*178mm	680*483*178mm	480*483*178mm	680*483*178mm
Installation Mode	Stack	Stack	Stack	Stack
Protection	BMS, Breaker		BMS, Breaker	
IPGrade	IP20		IP20	

BMS

Power Consumption	<2W(Work)<100mW(Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, module temperature
SoC	Intelligent algorithm
Communication	RS232-PC,RS485(B)-BAT RS485(A)-Inverter,CAN-Inverter

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature(°C)	Charge: 0°C-55°C ; Discharge: -20°C-55°C
Altitude (m)	≤ 2000
Humidity	$\leq 95\%$ (Non-condensing)

*Text and images correspond to the current state of technology at the time of printing. Subject to modifications. All information is without guarantee in spite of careful editing-liability excluded.