

AMO Powerwall



AS48100W	AS48200W
AS51100W	AS51200W



Scalable Use of Parallel Connection;
From 2 To 15 Modules



Convenient Wall Mounted&Compact
Design, Easy To Install



Safe Multiple Protection LiFePO4
Material, Safe And Long Life



Compatible Compatible With Multiple
Inverters



Compliant Ip20 Protection, Indoor
Application

PERFORMANCE SPECIFICATIONS

Model	AS48100W	AS48200W	AS51100W	AS51200W
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	≥6000cycles@25°C, 0.5C, 80%DOD, 60%EOL		≥6000cycles@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)	52.5kg	85.5kg	54.5kg	88.45kg
Dimension(mm)(226 Including hanger)	485*680*226mm	485*690*226mm	485*680*226 mm	485*680*226mm
Installation Mode	Wall hanging	Wall hanging	Wall hanging	Wall hanging
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	≤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.