

AMO LV 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	AMO 4.8K_LV-W1	AMO 9.6K_LV-W1	AMO 5K_LV-W1	AMO 10K_LV-W1
Battery Type	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)
Nominal Voltage	48V	48V	51.2V	51.2V
Capacity(Ah)	100AH	200AH	100AH	200AH
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(IP65 Option available for 200AH model)			

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)

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