

AMO LV Stack

AMOSOLAR Battery Module

AMO 4.8-9.6K_LV-S1



- ◆ AS48100
- ◆ AS48200



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	AMO 4.8K_LV-S1	AMO 9.6K_LV-S1
Battery Type	LiFePO4(LFP)	LiFePO4(LFP)
Nominal Voltage	48V	48V
Capacity(Ah)	100AH	200AH
Rated Energy (KWH)	4.8KWH	9.6KWH
Usable Energy(KWH)	3.84KWH	7.68KWH
Max.Charge/Discharge Current(A)	100A/100A	100A/100A
Voltage Range (Vdc)	42-54V	42-54V
Scalability	Up to 15 parallel	
Cycle Life	>6000 Cycles @25 °C ,0.5C,80%DOD,70%EOL	
Warranty	5 Years (25 °C)	
Design Life	10+ Years (25 °C /77F)	

MECHANICAL SPECIFICATIONS

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

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