

# AMO LV Stack



**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  $\geq 6000$  Cycles With 80% DOD

## PERFORMANCE SPECIFICATIONS

Model	AMO 4.8K_LV-S1	AMO 9.6K_LV-S1	AMO 5K_LV-S1	AMO 10K_LV-S1
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	$\geq 6000$ cycles@25°C, 0.5C, 80%DOD, 60%EOL		$\geq 6000$ 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)	$\leq 2000$
Humidity	$\leq 95\%$ (Non-condensing)

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