

AMO LV Stack

AMOSOLAR mobile power battery

AMO 5.12-16.08K_LV-S5



◆ AS51100 ◆ AS51200
◆ AS51280 ◆ AS51314



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 Inverters



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

PERFORMANCE SPECIFICATIONS

Model	AMO 5.12K_LV-S5	AMO 10.24K_LV-S5	AMO 14.34K_LV-S5	AMO 16.08K_LV-S5
Battery Type	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)	LiFePO4(LFP)
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Capacity(Ah)	100AH	200AH	280AH	314AH
Rated Energy (KWH)	5.12KWH	10.24KWH	14.34KWH	16.08KWH
Usable Energy(KWH)	4.61KWH	9.22KWH	11.47KWH	14.47KWH
Max.Charge/Discharge Current(A)	50A	100A	140A	157A
Voltage Range (Vdc)	44.8-57.6V	44.8-57.6V	44.8-57.6V	44.8-57.6V
Scalability	Up to 6~8 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)	49.1kg	95kg	108kg	108kg
Dimension(mm) (226 Including hanger)	482*463*178mm	482*809*178mm	437*875*238.5mm	437*875*238.5mm
Case material	Metal	Metal	Metal	Metal
Case type	Mobile Power			
IPGrade	IP20			

COMMUNICATION

Protocol(Optional)	CANBus/RS485/RS232
Monitorings	Bluetooth/WLAN Optional

CERTIFICATES

Pack	UN38.3,MSDS
Cell	UN38.3,MSDS,IEC62619, CE, UL1973,UL2054

ENVIRONMENTAL SPECIFICATIONS

Charge temperature	0 °C to 55°C@60+25% Relative Humidity
Discharge temperature	-20C to 55°C@60+25% Relative Humidity
Storage temperature	-20°C to 55°C@60+25% Relative Humidity

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