

MODEL NUMBER
AIO2-BTLV-5KWH
AIO2-BTLV-10KWH
BATTERY OUTPUT

Battery Capacity	LiFePO ₄ 5KWH/10KWH (Maximum 3 modules of the same type)	
Useable Energy	4.5 kWh	9kWh
Nominal Battery Voltage	51.2V	51.2V
Battery Voltage Range	40-58.4V	40-58.4V
Max. Charge Current	50A	100A
Max. Charge Power	2.56KW	5.12KW
Max. Discharge Current	100A	100A
Max. Discharge Power	5.12KW	5.12KW
Rated DC Power	2.56KW Charge, 5.12KW Discharge	5.12KW Charge & Discharge
Max Short Circuit Current	2500A	2500A

GENERAL DATA

DC Switch	Standard	Standard
Dimensions (W*H*D) (mm)	540x430x210mm	540x680x210mm
Net Weight (KG)	45kg (Per Module)	85kg (Per Module)
Protection Degree	IP 65	IP 65
Mounting Information	Wall Mount	Wall Mount
Operating Temperature Range	-10°C - 50°C	-10°C - 50°C
Noise Emission (typical) (dB)	<25dB	<25dB
Communication with BMS*3	RS 485 & CAN	RS 485 & CAN
Relative Humidity (%)	95% no condensation	95% no condensation
Site Altitude (m)	<2000m	<2000m
Cooling Concept	Natural Convection	Natural Convection
Depth of Discharge	90%	90%

CERTIFICATIONS & STANDARDS

Safety Regulation	IEC/EN62109-1&2, IEC62040-1
EMC Standard	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4.16, EN6100-4.18, EN6100-4.29,
Other Certifications	IEC62619 :2022, IEC 60950-1:2005 + AMD1:2009 + AMD2:2013
Warranty	5+5 Year Standard Warranty

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