

Bastion WF5K (2025)

PN: ESWMF51H5110BDA01B

EAN: 6422956014810

Specifications

Nominal Voltage	51.2V
Rated Capacity	100Ah
Cell Technology	Lithium LiFePO4
Energy Stored	5.12KWh
Battery Impedance	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	44.80 V
Max Charge Current	110A (environment 0° ~ 50°C)
Max Continue Discharge Current	110A (environment -10° ~ 55°C)
BMS	Included
Integrated heating	Yes
Fire suppression module built-in	Yes
Operating Temperature Range	Charge: -10°C ~ 55°C Discharge: -20°C ~ 60°C Powerful Charge: 0°C ~ 50°C Powerful Discharge: -10°C ~ 55°C
Protection	Cell/Pack Under-voltage Cell/Pack Over-voltage Charge / Discharge Over-current Charge / Discharge Under-temperature Charge / Discharge Over-temperature Mosfet Over-temperature Environment Under-temperature Environment Over-temperature Cell Balancing
Display	LED
Communication	RS232, RS485, CAN
Storage Environment (50% state of charge)	-20°C ~ 45°C Humidity: 65±20% RH
Environment	Indoor / Outdoor
Installation	Wall mounted /Floor stand
Life Cycle	6000 times @ 80% DOD & 25°C



Superior Efficiency



High Reliability



Scalability up to 15 units

- Battery monitoring system included
- Scalability up to 15 pcs
- Installation Wall mounted or Floor stand
- Protection IP 65
- Natural cooling, silent operation
- A Grade - LiFePO4 battery cells
- Integrated heating
- Fire suppression module built-in

Cooling	Natural convection
Protection Rating	IP65
Product dimensions	548 x 485 x 173mm

Logistics

Carton Box Size (LxWxH)	585 x 550 x 250 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	Net 48.3 kg / Gross 52 kg



Certificates

RoHS 2011/65/EU **CE**

Safety	CB, IEC62619, UN38.3, MSDS, CE-EMC, EN61000-6-1/2/3/4; CE-GPDS, EN62619
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