

BLUE MOUNTAIN ENERGY

Solar Battery Storage



Lithium-ion battery module specially designed for energy storage system with 48V system

VL4.8 / VL-PDU

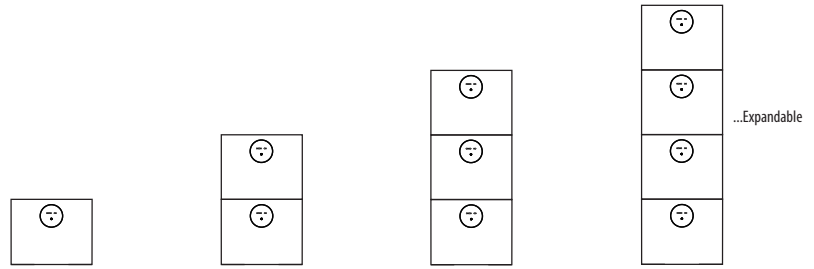
Features

- Lithium-ion Phosphate (LFP) cell guarantees safety and reliability
- Easy to install on the floor
- Suitable for wide range of inverters with 48V system
- 6000 cycles for 90% DoD with >80% capacity
- Expandable up to 10 pieces of battery modules
- Maximum 1.5C for continue discharge
- 40VDC Under & 60.8VDC Over voltage Protection
- 10 years warranty

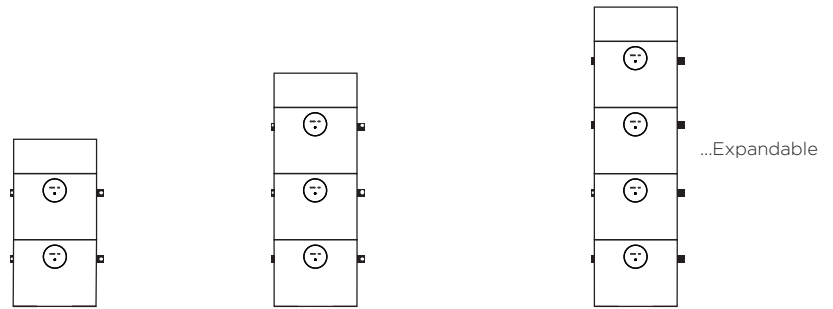


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VL4.8 / VL-PDU



Battery Module	VL4.8 (5 kWh, 51.2V)			
Battery Cell Technology	Lithium-ion Phosphate			
Applicable Inverter Rating	≤ 5.6 kW			
Number of Module	1	2	3	4
Usable Energy	5 kWh	10 kWh	15 kWh	20 kWh
Rated Discharging Current	150 A	150 A	150 A	150 A
Peak Discharging Current	192 A, 1 min	192 A, 1 min	192 A, 1 min	192 A, 1 min
Nominal Voltage	51.2 V	51.2 V	51.2 V	51.2 V
Operating Voltage	40 -56 VDC	40 -56 VDC	40 -56 VDC	40 -56 VDC
Charging Current	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default	100A Max, 30A Default
Dimension, D x W x H (mm) without feet	185 x 540 x 420	185 x 540 x 840	185 x 540 x 1260	185 x 540 x 1680
Net Weight (kg)	48	96	144	192

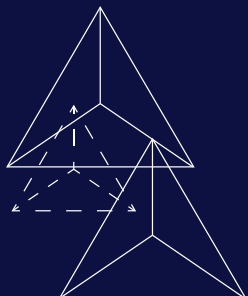


Battery Module	VL4.8 (5 kWh, 51.2V)		
Battery Cell Technology	Lithium-ion Phosphate		
Applicable Inverter Rating	6 kW - 12 kW		
Number of Module	2	3	4
Number of PDU Module	1	1	1
Usable Energy	10 kWh	15 kWh	20 kWh
Rated Discharging Current	300 A	300 A	300 A
Peak Discharging Current	384 A, 1 min	384 A, 1 min	384 A, 1 min
Nominal Voltage	51.2 V	51.2 V	51.2 V
Operating Voltage	40 - 56 VDC	40 - 56 VDC	40 - 56 VDC
Dimension, D x W x H (mm) without feet	185 x 540 x 1040	185 x 540 x 1460	185 x 540 x 1880
Net Weight (kg)	102	150	198

General Specification

Operation Temperature	Charge / Discharge	0°C-50 °C
Storage Temperature	(At 50% SOC and specified temp, recoverable capacity in % vs time / 50%)	0°C-50 °C
IP Protection		< 18 months: -20°C-25 °C
Communication		< 3 months: 25°C-45 °C
Certifications		< 1 months: 45°C-60 °C
		20°C 3 5 °C is the recommended storage temperature
		IP20
		RS485 port (RJ45), CAN
		UN38.3, IEC 62619

Product specifications are subject to change without further notice.



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