

XTRA POWER LITHIUM ION BATTERY MODULE

Solar Lithium Battery

Lithium Ion Wall Mount Series XTLB48V100/120/150WM

These modules based on lithium ion phosphate lithium cells, equipped with high-performance BMS to effectively manage the batteries cells, compared with traditional batteries, it has a wider range of performance and application advantages, high cycle times, long service life, and is suitable for daily charge and discharge Application scenarios.



Main Features:

1. Multiple protection: short circuit protection, overcharge protection, over discharge protection, over current protection, equalization, etc.;
2. Multiple communication interfaces RS485/RS232/CAN;
3. LCD display and physical setting buttons;
4. Inbuilt high performance BMS;

Solar System Connection



Technical Specifications:

NO	Item	Specification	Specification	Specification
1	Total power consumption	4.8KWH	5.76KWH	7.2KWH
	Model	XTLB48100WM	XTLB48120WM	XTLB48150WM
2	Rated Capacity	Min.:100Ah	Min.:120Ah	Min.:150Ah
		Typical:100Ah	Typical:120Ah	Typical:150Ah
3	Internal Impedance	≤ 150mohm	≤ 150mohm	≤ 150mohm
4	Nominal Voltage	48V	48V	48V
5	Float Charge Voltage	53V	53V	53V
6	Charging Voltage	54V	54V	54V
7	Charging Method	CC&CV	CC&CV	CC&CV
	Standard Charging Process	0.2C(CC)charge to 54V,when 54V(CV)is reached, charge rate will reduce to 0.02C(A) for full charge	0.2C(CC)charge to 54V,when 54V(CV)is reached, charge rate will reduce to 0.02C(A) for full charge	0.2C(CC)charge to 54V,when 54V(CV)is reached, charge rate will reduce to 0.02C(A) for full charge
8	Discharging Method	Constant current discharge	Constant current discharge	Constant current discharge
9	Standard Discharge method	Cells should be discharged at a constant current of 0.2C to 42V at 20°C±5°C Maximum 1C	Cells should be discharged at a constant current of 0.2C to 42V at 20°C±5°C Maximum 1C	Cells should be discharged at a constant current of 0.2C to 42V at 20°C±5°C Maximum 1C
10	Standard discharge capacity	≥100Ah	≥120Ah	≥150Ah
11	Max.ContinuousDischarge Current	100A	120A	150A
12	Discharge Cut-Off Voltage	42V	42V	42V
13	Battery Weight	≤45KG	≤54KG	≤67.5KG
14	Battery Cycle Life	≥1800 Cycles (80% DOD discharge)	≥1800 Cycles (80% DOD discharge)	≥1800 Cycles (80% DOD discharge)
15	Operating Temperatures	Discharge	-20°C to 55°C	-20°C to 55°C
		Charge	0°C to 45°C	0°C to 45°C
		Storage	10°C to 30°C	10°C to 30°C

Note: Product specifications are subject to change without further notice.