

TY-LVW5

Wall-mounted Battery

The TY-LVW5 51.2V is a 51.2V 200Ah 10kWh wall-mounted LiFePO₄ battery designed for residential energy storage. It delivers over 6,000 cycles at 90% depth of discharge (DoD) with a 10-year design life, supports most 48V inverters, and features a high-efficiency DC-coupled architecture.

<5.12/10.24KWh>



Flexible Expansion

Up to 16 units in parallel
Capacity: 5.12–163.8 kWh



1C Discharge Rate

Supports multiple loads simultaneously
for reliable power delivery



Automatic Self-heating

Operating temperature
–20°C to 55°C (optional)



Ultra Safe

Intelligent fire extinguishing system
detects and suppresses fire
within 5s (optional)



Easy Installation

Floor-mounted for optimized
space utilization



Smart Management

Real-time monitoring, remote control
and OTA updates

TY-LVW5 51.2V

PRODUCT DESCRIPTION

	100Ah	200Ah
Product Model	TY-LVW5 51.2V	TY-LVW5 51.2V
Cells In Series	16S	16S
Rated Energy (KWh)	5.12	10.24
Rated Voltage (V)	51.2	51.2
Charging Voltage (V)	58.4	58.4
Discharge Cut-off Voltage (V)	42	42
Standard Charge Current (A)	20	40
Maximum Charging Current (A)	100	100
Maximum Discharge Current (A)	100	100
Features		
Cycle Life	≥ 6000 times @ 80% DOD, 25 °C	≥ 6000 times @ 80% DOD, 25 °C
Methods Of Communication	RS232/RS485/CAN	RS232/RS485/CAN
Charging Temperature	0~60 °C	0~60 °C
Discharge Temperature	-10~65 °C	-10~65 °C
How It Is Displayed	LCD display	LCD display
IP Protection	IP 21	IP 21
Conventional		
Product Dimensions (L×W×Hmm)	560×440×151	680×520×151
Net Weight (Kg)	44	80
Packing Dimensions (L×W×Hmm)	632×512×255	755×595×340
Gross Weight (Kg)	50	94

