

TY-LVR3

Rack-mounted Battery

The TY-LVR3 51.2V is designed for residential and small commercial applications. It supports up to 16 units in parallel, with an energy capacity ranging from 5.12 kWh to 163.8 kWh. Featuring a 1C discharge rate, high cycle life, and extended lifespan, it ensures reliable and worry-free power supply.

<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

Rack-mounted for optimized
space utilization



Smart Management

Real-time monitoring, remote control
and OTA updates

TY-LVR3 51.2V

PRODUCT DESCRIPTION

	100Ah	200Ah
Product Model	TY-LVR3 51.2V	TY-LVR3 51.2V
Cells In Series	16S	16S
Rated Energy (KWh)	5.0	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	200
Maximum Discharge Current (A)	100	200
Features		
Cycle Life	≥ 6000 times @ 80% DOD, 25 °C	≥ 6000 times @ 80% DOD, 25 °C
Methods Of Communication	RS485/CAN	RS485/CAN
Charging Temperature	0~60 °C	0~60 °C
Discharge Temperature	-10~65 °C	-10~65 °C
How It Is Displayed	/	/
IP Protection	IP 21	IP 21
Conventional		
Product Dimensions (L×W×Hmm)	485×440×175	574×440×244
Net Weight (Kg)	44	79
Packing Dimensions (L×W×Hmm)	550×525×230	755×545×550
Gross Weight (Kg)	47	79

