TOYON ENERGY

TY-LVF3

Floor-Mounted Battery

The TY-LVF3 51.2V is a 51.2V 280Ah 314Ah floor-mounted $LiFePO_4$ battery with 14.3 KWh, 16KWh capacity and IP21-rated protection. Supporting up to 16 units in parallel, it delivers safe, reliable, and scalable energy storage for residential, commercial, and industrial applications.

<14.3/16KWh>

Flexible Expansion

Up to 16 units in parallel
Capacity: 14.3–256 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

Wall-mounted for optimized space utilization

Smart Management

Real-time monitoring, remote control and OTA updates

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TY-LVF3 51.2V

PRODUCT DESCRIPTION

	280Ah	314Ah
Product Model	TY-LVF3 51.2V	TY-LVF3 51.2V
Cells In Series	16S	16S
Rated Energy (KWh)	14.3	16
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)	56	62
Maximum Charging Current (A)	200	200
Maximum Discharge Current (A)	200	200
Features		
Cycle Life	≥ 6000 times @ 80% DOD, 25 °C	
Methods Of Communication	RS232/RS485/CAN	
Charging Temperature	0~60 °C	
Discharge Temperature	-10~65 °C	
How It Is Displayed	LCD display	
IP Protection	IP 21	
Conventional		
Product Dimensions (L×W×Hmm)	580×280×750	
Net Weight (Kg)	124.2	
Packing Dimensions (L×W×Hmm)	700×495×905	
Gross Weight (Kg)	142.7	

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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.