

TS2400 (LiFePO₄ 48V50Ah, 2400.0Wh)

- Safety in use
- Low self discharge rate
- Good high temperature performance
- High Cycle times and long service life
- High energy density and conversion efficiency Environmental
- Friendly, without any heavy metals Easy installation, easy
- BMS modbus protocol can communicate with the inverter




	Item	Specification
Electrical Characteristics	Nominal Voltage	48V
	Nominal Capacity	50Ah (C ₅ ,25°C)
	Energy	2400Wh
	Internal Resistance	≤200mΩ
	Cycle Life	>6000 cycles @0.2C
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.2C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	54±0.2V
	Charge Mode	0.2C to 54.75V, then 54.75,charge current 0.02C(CC/CV)
	Charger Current	10A
	Max. Charge Current	20A
	Charge Cut-off Voltage	55.5V±0.2V
Standard Discharge	Continuous Current	50A
	Max. Pulse Current	100A(<3s)
	Discharge Cut-off Voltage	37.5V
Environmental	Charge Temperature	0°C to 45°C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4F to 140F) @60± 25% Relative Humidity
	Storage Temperature	0°C to 40°C (32F to 104F) @60± 25% Relative Humidity
	Water Dust Resistance	
Mechanical	Cell & Method	3.2V50AH-15S1P
	Plastic Case	2U standard case
	Dimensions (in./mm.)	484*410*89MM
	Weight (lbs./kg.)	21.8Kg
	Terminal	100A through terminal
	Protocol (optional)	RS485/CAN
	BMS	15S50A

Product Design

BMS



LiFePO₄ Cell Package




LiFePO₄ in Box



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