

TKPW10000 (LiFePO₄ 51.2V 200Ah, 10.24KWh)

- 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, BMS modbus protocol can communicate with the inverter



	Item	Specification
Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	200Ah (C ₅ , 25℃)
	Energy	10.24KWh
	Internal Resistance	≤500mΩ
	Cycle Life	6000 cycles
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.2C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	58.4±0.2V
	Charge Mode	0.2C to 58.4V, then 58.4, charge current 0.02C(CC/CV)
	Charger Current	50A
	Max. Charge Current	75A
	Charge Cut-off Voltage	59.2V±0.2V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	200A
	Discharge Cut-off Voltage	40V
Environmental	Charge Temperature	0℃ to 45℃ (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃ (-4F to 140F) @60± 25% Relative Humidity
	Storage Temperature	0℃ to 40℃ (32F to 104F) @60± 25% Relative Humidity
	Water Dust Resistance	
Mechanical	Cell & Method	3.2V50AH-16S4P
	Plastic Case	standard case
	Dimensions (in./mm.)	860*540*140MM
	Weight (lbs./kg.)	82Kg
	Terminal	Energy storage connector
	Protocol (optional)	RS485/CAN
	BMS	16S200A

Product Design

BMS



LiFePO₄ Cell Package

TAICO



LiFePO₄ in Box



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