



51.2V / 48V 100AH Lifepo4 Battery Pack With Inverter Stacked Upside 6000 Times Cycle Life

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: TINKO/OEM
- Certification: CE/ROHS/MSDS/UN38.3
- Model Number: KTA-48100
- Minimum Order Quantity: 1PC
- Price: Negotiable
- Packaging Details: 1pc/parer carton
- Supply Ability: 100pcs/day



Product Specification

- Battery Type: Lifepo4 Battery
- Voltage: 51.2V
- Capacity: 100AH
- Energy: 5.12kWh
- Dimension: 635*400*365mm
- Weight: 65kg
- Communication Port: RS485, RS232, CAN
- Cycle Life: 6000 Times
- Highlight: 51.2v lifepo4 battery 48v,
51.2v 48v 100ah lifepo4 battery pack,
6000 times lifepo4 battery 48v



Product Description

All in one Lifepo4 Battery 51.2V / 48V 100AH For Residential Solar Storage System

Product Description

The lifepo4 battery is made with lithium iron phosphate as the cathode material, which contributes to their unique properties. It maintain a consistent voltage throughout the discharge cycle, providing reliable power delivery. Performed well in a wider range of temperatures, enhancing usability in diverse environments. LiFePO4 batteries are gaining popularity due to their safety, longevity, and environmental benefits, making them a strong choice for a variety of energy storage needs. Our lifepo4 battery all use A grade battery cell which is more reliable and has quality guarantee. Also the battery capacity and voltage can achieve higher by connected each lifepo4 battery module in parallel or in series. The product can be comstermized as your wish.

Product Parameters (Battery Pack)

Battery Pack	N o.	Item	General Parameter		Remark
	1	Combination method	16S1P		
	2	Rated Capacity	Typical	100Ah	Standard discharge after Standard charge(for the whole battery pack)
			Minimum	100Ah	
	3	Factory Voltage	51V-53V(40-60%)		Operation Voltage
	4	Voltage at end of Discharge	40V		Discharge Cut-off Voltage
	5	Charging Voltage	40-58.4V		
	6	Internal Impedance	≤40mΩ		Internal resistance measured at AC 1KHZ after 50% charge Should use those battery which finished within 1week after shipment and cycles less than 5times to do the measurement
	7	Standard charge	Constant Current 20A Constant Voltage see No.5 0.02CA cut-off		Charge time : Approx 5 . 0 h
		Limiting current	80A		
	8	Standard discharge	Constant current:20A end voltage see NO.4		
	9	Maximum Charge Voltage	100A		≥10°C
	10	Maximum Continuous Discharge Current	100A		≥10°C
	11	Operation Temperature Range	Charge : 0~55		60±25%R.H. Bare Cell
			Discharge: -20~60		

12	Storage Temperature Range	Less than 12 months :- 10~35	60±25%R.H.at the shipment state
		Less than 3 months: - 10~45	
		Less than 7 day : -20~65	
13	Dimensions	635*400*192mm	Include Bracket
14	Weight	Approx :47kg	

Product Parameters (Inverter)

Model	HSI 5500
AC mode	
Rated input voltage	220/230Vac
Input voltage range	(170Vac~280Vac) ±2% (90Vac-280Vac) ±2%
Frequency	50Hz/ 60Hz (auto-detect)
Frequency range	47±0.3Hz ~ 55±0.3Hz (50Hz); 57±0.3Hz ~ 65±0.3Hz (60Hz);
Overload/short- circuit protection	Breaker
Efficiency	>95%
Conversion time	10ms (Typical value)
(Bypass and inverting)	
AC reverse flowing protection	yes
Maximum bypass overload current	40A
Inverting mode	
Output voltage waveform	Pure sine wave
Rated output power (VA)	5500
Rated output power (W)	5500
Power factor	1

Rated output voltage (Vac)	230Vac(200/208/220/240Vac Settable)
Output voltage error	±5%
Output frequency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz
Efficiency	>90%
Overload protection	(102%<load<125%): Alarm and shutdown after 5 minutes. (125%<load<150%): Alarm and shutdown after 10 seconds. Load>150%: Alarm and shutdown after 5 seconds.
Peak power	11000VA
Loaded motor capacity	4HP
Output short-circuit protection	Breaker
Specification of bypass breaker	40A
Rated battery input voltage	48V (minimum start voltage 44V)
Battery voltage range	40.0Vdc~60Vdc ± 0.6Vdc (undervoltage alarm/turnoff voltage/overvoltage alarm/overvoltage restoration....settable LCD screen)





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