

Easily Move 10kwh Lifepo4 Storage Battery 206AH With Inverter 51.2V 48v Lifepo4 Powerwall

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TINKO/OEM
- Certification: CE/ROHS/MSDS/UN38.3
- Model Number: KTLS-48200
- Minimum Order Quantity: 1PC
- Price: Negotiable
- Packaging Details: 1pc/parer carton
- Supply Ability: 100pcs/day



Product Specification

- Battery Type: Lifepo4
- Voltage: 48V
- Capacity: 206AH
- Weight: 120kg
- Size: 936*575*376mm
- Usage: Residential & Business
- Warranty: 10 Years
- Original: Dongguan, China
- Highlight: **KTLS-48200 Lifepo4 Storage Battery,
51.2V 48v Lifepo4 Powerwall,
wall mounted inverter battery**

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Product Description

51.2V 10kwh Lifepo4 Battery 206AH With Inverter 48V 206AH

Product Description

LFP batteries have many advantages compares to the traditional lead-acid batteries or other lithium-ion batteries for marine applications. They are much safer, have a longer cycle life up to thansand of times, higher temperature tolerance, lower self-discharge rate, and higher energy density, which makes them more efficient, durable, and reliable. With this advantages, lifepo4 battery is ideal for the solar ennergy storage system.

TINKO storage battery made witg A level lifepo4 battery cell which is more stable. The 48V 206AH battery has 16pcs of lifepo4 battery inside.They provides a reliable power source during outages, ensuring essential systems remain operational. Also we have different capacity for you to choose according to your power use, and make the best plan which suit every house best. Also the shell of the battery can be customized, just show us what you want, our engineer will do the best plan for you. Especially for the one who lives in remote locations where grid access is limited.

Introducing our wheeled 10kWh Home Energy Storage LiFePO4 Battery, designed for flexibility and efficiency. This powerful energy solution is ideal for those seeking to optimize their solar system, providing a reliable and sustainable power source.

Key Features:

1. The integrated wheels of our LiFePO4 battery allow for easy transportation, enabling you to move your energy storage system wherever you need it. Whether it's for backup power during outages or maximizing your solar system's efficiency, this battery is built for convenience.
2. Equipped with a robust and large-capacity LiFePO4 battery pack, our system delivers 10kWh of energy. This means you can power your home appliances with confidence, making it perfect for daily use or emergency situations.
3. Safety is our top priority. Our smart battery management system ensures stable performance while monitoring health parameters, optimizing charging processes, and providing protection against over-voltage, over-current, and short circuit conditions.
- 4.The 10kWh battery supports a wide range of inverters and communication protocols, making it a versatile addition to any solar system setup. This compatibility ensures seamless integration and user-friendly operation.
5. With an extraordinary cycle life, our LiFePO4 battery is engineered for longevity, offering a superior design life that allows for numerous charging and discharging cycles. You can trust in its durability for years of reliable service.

Embrace a sustainable future with our 10kWh Portable Home Energy Storage LiFePO4 Battery, the perfect companion for your solar system, enhancing your capacity to store energy efficiently and safely. Experience the difference of superior technology today!

Battery Parameters

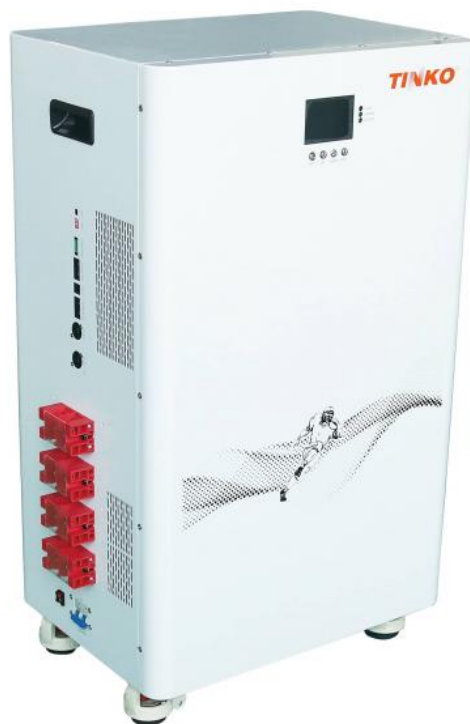
No.	Item	General Parameter		Remark
1	Combination method	16S1P		
2	Rated Capacity	Typical	206Ah	Standard discharge after Standard charge(for the whole battery pack)
		Minimum	200Ah	
3	Factory Voltage	51V-53V(40-60%)		Operation Voltage
4	Voltage at end of Discharge	40V		Discharge Cut-off Voltage
5	Charging Voltage	56-58.4V		

Battery Pack	6	Internal Impedance	$\leq 40\text{m}\Omega$	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 40A Constant Voltage see No.5 0.02CA cut-off	Charge time : Approx 5 . 0 h
		Limiting current	210A	
	8	Standard discharge	Constant current: 40A end voltage 40-44V	
	9	Maximum Continuous Charge Current	210A	$\geq 10^{\circ}\text{C}$
	10	Operation Temperature Range	Charge : 0~55	60 \pm 25%R.H. Bare Cell
			Discharge : -20~60	
	11	Storage Temperature Range	Less than 12 months : -10~35	60 \pm 25%R.H.at the shipment state
			Less than 3 months: -10~45	
			Less than 7 day : -20~65	
	12	Dimensions	936*528*376mm	Include Bracket
	13	Weight	Approx :130kg	

Interver Parameters (Built-in SPI-10K-SP)

MODEL	SPI-8K-SP	SPI-10K-SP	CAN BE SET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	12,000W	15,000W	
Rated Output Voltage	230Vac(Single phase)		Y
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		Y
Waveform	Pure Sine Wave		
Switch Time	10ms(typical)		
Parallel capacity	1 ~ 6 units		
Overload	After triggering the overload protection the inverter will resume output after 3 minutes, 5 consecutive overloads will switch off the output until the inverter is restarted. (102%<load<110%) ±10%: error and output shutdown (110% < load < 125%) ±10%: error and output shutdown Load > 125% ±10%: error reported and output switched off after 5s.		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		Y
Rated Battery Voltage	48Vdc		
Voltage Range	40-60Vdc		Y
Max.MPPT Charging Current	180A	200A	Y
Max.Mains/Generator Charging Current	100A	120A	Y
Max.Hybrid Charging Current	180A	200A	Y

PV INPUT		
Num. of MPP Trackers	2	
Max.PV array power	5500W+5500W	
Max.input current	22A+22A	
Max.Voltage of Open Circuit	500Vdc+500Vdc	
MPPT Voltage Range	125-425Vdc	
MAINS / GENERATOR INPUT		
Input Voltage Range	90-275Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	



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