Home Mobile Battery
LiFePO4 Lithium Battery Pack

LPUS KHT 4'3 Color Touch LCD
51.2V 560Ah/600Ah/628Ah
28.6kWh/30.72kWh/32.0kWh
Energy Storage Solutions

CS SUN

LPUS Series Brief Introduce

Long Life | Lithium Iron Phosphate | Deep Cycle

LPUS Series Mobile UP Stand lithium battery pack is a household energy storage solution that provides reliable and efficient power for homes. It features a high-capacity lithium-ion battery that stores renewable energy from solar panels or the grid, reducing energy consumption costs and ensuring constant power supply during emergencies. The battery's sleek and compact design allows for easy installation and maintenance. With its user-friendly interface, users can monitor their energy usage and optimize energy management. This product is ideal for homeowners who want to reduce their carbon footprint and gain greater control over their energy consumption while enjoying uninterrupted power supply. With the wheels it's move easily.

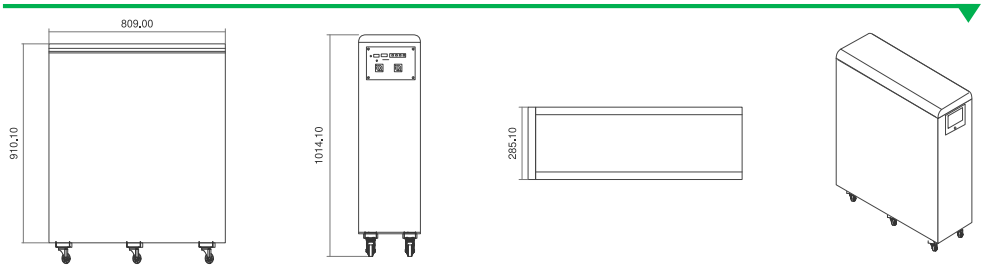


WiFi
Bluetooth

Applications

- BTS Stations, Telecom System
- Internet data center(IDC)
- Solar Energy/Off-Grid System
- Access net work system
- UPS System, EPS System
- Terminal of FTTX
- Indoor distribution system

Dimensions & Weight



Length: 809±1mm Width: 285±1mm Height: 1014±1mm | Weight: 221.0+0.5kgs

Technical Specifications

Electrical Characteristics	Model	LPUS48V560H-KHT	LPUS48V600H-KHT	LPUS48V628H-KHT
	Nominal Voltage	51.2V		
	Nominal Capacity	560Ah	600Ah	628Ah
	Energy	28.6kWh	30.72kWh	32.0kWh
	BMS with internal cell balancing	YES		
	Cycle Life	>6000cycles 80%DOD		> 8000cycles 80%DOD
	Months Self Discharge	<3%		
	Efficiency of Charge	100%@0. 2C		
	Efficiency of Discharge	96~99%@0.5C		
Standard Charge	Charge Voltage	57.6V±0. 2		
	Charge Mode	0.2C to 57.6V,then 57.6V,charge current too.02C(CC/CV)		
	Charge Current	100A		
	Max. Charge Current	200A		
	Charge Cut-off Voltage	57.6V ± 0. 2		
Standard Discharge	Continuous Current	100A		
	Max continuous discharge current	200A		
	Discharge Cut-off Voltage	43.2V ± 0. 1		
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	IP21		
Mechanical	Cell & Method	Prismatic Cell 16S1P or 16S2P		
	Case	Iron		
	Dimensions (in./mm.)	1014*285*809mm/39.93*11.22*31.86Ins		
	Weight (lbs./kg.)	Approx: 221kgs/487.16lbs		
	Gravimetric specific energy	129.74WH/KG	139.0WH/KG	139WH/KG
	Protocol	ModBus: CAN/RS485/RS232		
	Display / Operation	4.3' Color Touch LCD		

Inverters Support Brands: GROWATT solis PYLONTECH MEGAREVO STUDER Voltronic Power MUST美世乐 victron energy GOODWE SACOLAR KSTAR科士达 invt 英威腾 Schneider Electric Deye 德业 爱阳储能 i YANG SOFAR SOLAR LUXPOWERTEK FOX ESS SMA SRNE

Power Your Home Choose CSSUN

Copyright© 2026 CSSUN Energy Co., LTD

Home Mobile Battery
LiFePO4 Lithium Battery Pack

LPUS KHT 4'3 Color Touch LCD
51.2V 560Ah/600Ah/628Ah
28.6kWh/30.72kWh/32.0kWh
Energy Storage Solutions

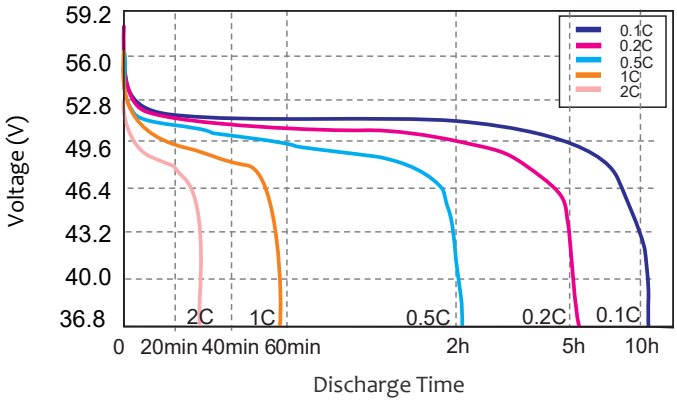
CS SUN

BMS Specifications

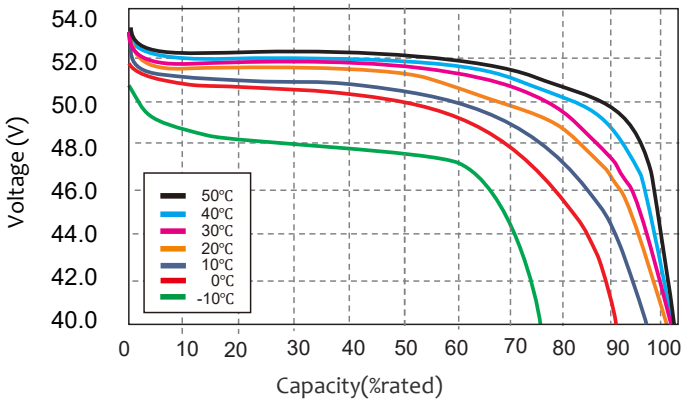
- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Temperature protection
- Cell Voltage balance function
- Short detection function

Performance Characteristic (Data test from 16 Series Cell)

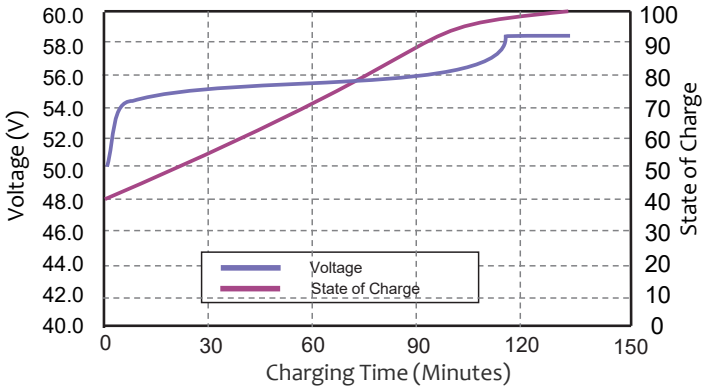
Different Rate Discharge Curve (25°C)



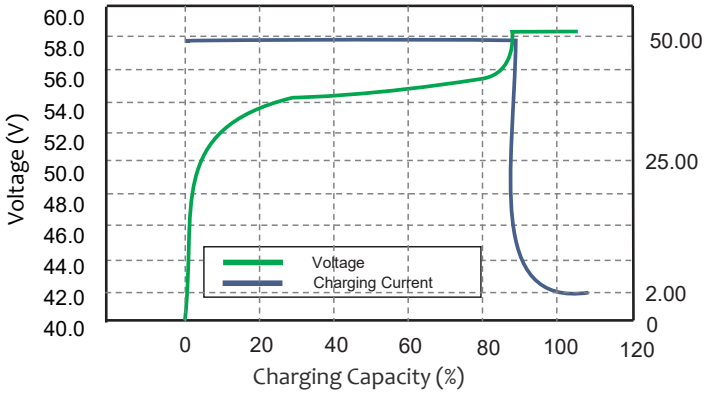
Different Temperature Discharge Curve At 0.5C



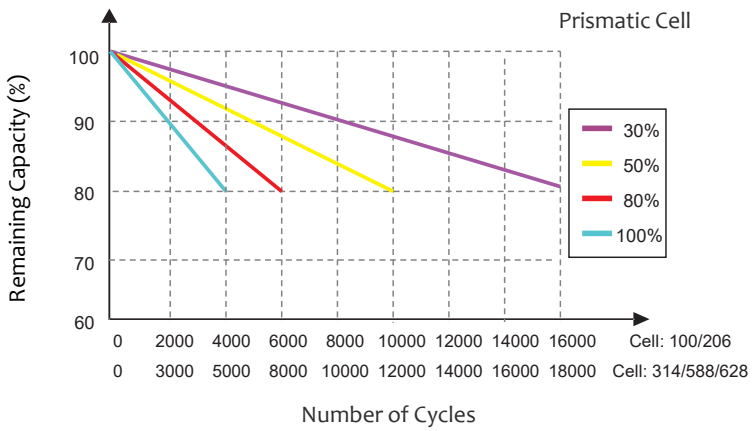
State Of Charge Curve At 0.5C (25°C)



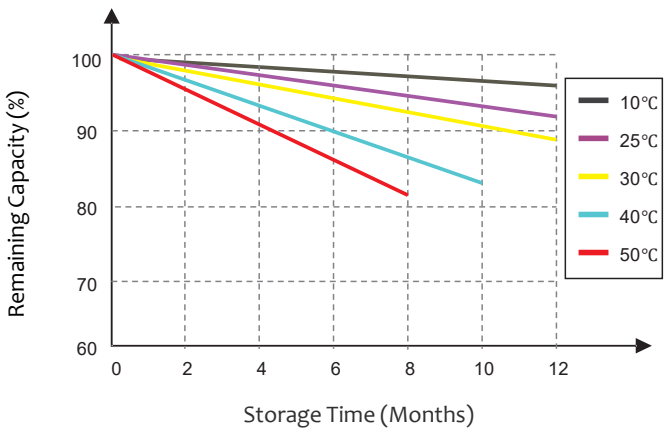
Charging Characteristics At 0.5C (25°C)



Cycle Life Curve At 0.2C According DoD



Self Discharge Characteristics Curve



Note: All above information shall be changed without prior notice, we reserves the right to explain and update the latest information. Welcome inquiry us !
SAFETY WARNING : Use only within the allowed parameters. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits. Do not use the battery if you suspect it may be faulty or damaged.

Add: Evolution Building, Xingdong Industry Park, Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755-29123661 | email: sales@cssun.net | support@cssun.net | website: www.cssun.net

Copyright© 2026 CSSUN Energy Co., LTD