

Floor Standing Battery LiFePO4 Lithium Battery

LPUS Series **Easy Move** Battery
LiFePO4 Lithium Cell + Wheels
For Home Power System, Solar, Back Up ...



Built Tough. So Solid, We Dare You to Peek Inside



LPUS Series Brief Introduce

LPUS series mobile UP Stand with wheels battery system is 51.2V system for communications back-up type LiFePO4 (lithium iron phosphate) battery products, the system uses the advanced LiFePO4 battery technology with the benefit of long cycle life, small size, light weight, safety and environmental protection, and has a strong environmental adaptability, it is idea for harsh outdoor environments.

The system also integrates a smart battery management and monitoring module, support for remote centralized monitoring and remote battery management and maintenance, to meet the requirements of unattended. Therefore, the LPUS system can fully meet the backup power supply requirements of the access network equipment, mobile communications equipment, transmission equipment, micro base stations and microwave communication equipment.

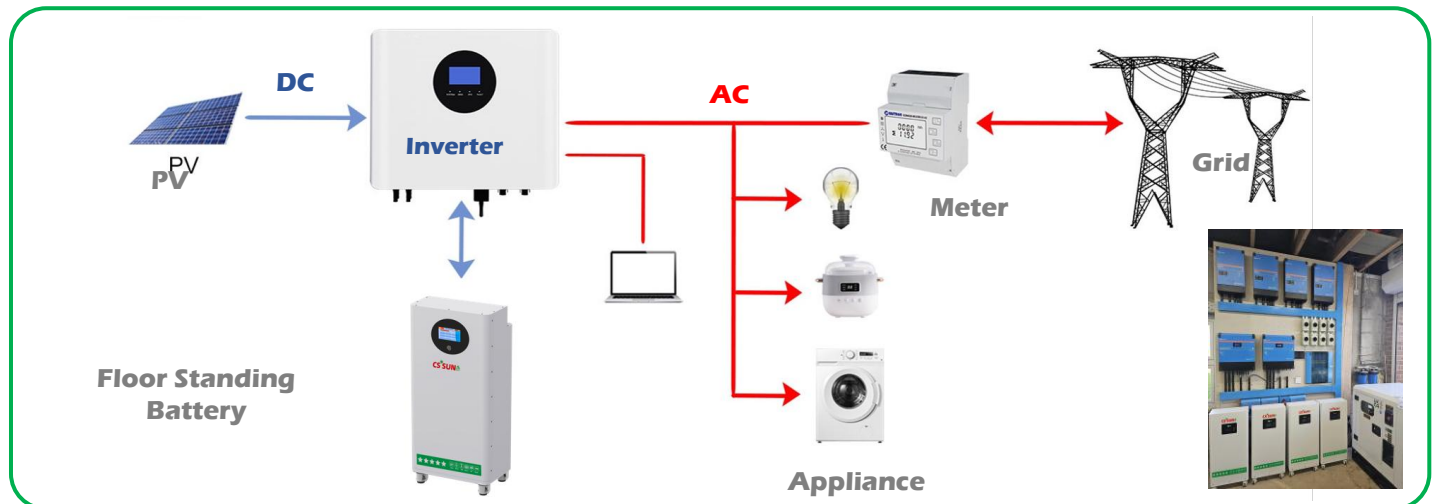
Safety

Long Life

Smart



Application Block Diagram



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Technical Specifications

Model	Voltage	Capacity	Dimension (mm)			Weight	Power	LCD
	(V)	(Ah)	L	W	H	kgs	Capacity kWh	
LPUS A1 10kWh	51.2V	200Ah	485	145	850	97.0kgs	10.24kWh	Mono & Key
LPUS A1 16kWh	51.2V	280/300/314Ah	420	240	840	119.0kgs	14.3/15.36/16.08	Color Touch
LPUS A1 20kWh	51.2V	400Ah	510	293	970	162.0kgs	20.48kWh	Mono & Key
LPUS C1 16kWh	51.2V	280/300/314Ah	470	237	690	110.0kgs	14.3/15.36/16.08	Mono & Key
LPUS C1T 16kWh	51.2V	280/300/314Ah	470	237	690	110.0kgs	14.3/15.36/16.08	Color Touch
LPUS DY 16kWh	51.2V	280/300/314Ah	416	237	890	117.0kgs	14.3/15.36/16.08	Color Touch
LPUS GS 16kWh	51.2V	280/300/314Ah	390	238	1190	130.0kgs	14.3/15.36/16.08	Color Touch
LPUS HR 16kWh	51.2V	280/300/314Ah	487	285	895	124.4kgs	14.3/15.36/16.08	Color Touch
LPUS HR 21kWh	51.2V	280/300/314Ah	632	351	972	166.4kgs	14.3/15.36/16.08	Color Touch
LPUS KH 16kWh	51.2V	280/300/314Ah	416	237	890	111.0kgs	14.3/15.36/16.08	Mono & Key
LPUS KHT 16kWh	51.2V	280/300/314Ah	416	237	897	111.0kgs	14.3/15.36/16.08	Color Touch
LPUS KHT 32kWh	51.2V	560/600/628Ah	890	285	1014	262.0kgs	28.6/30.72/32.16	Color Touch
LPUS P1 16kWh	51.2V	280/300/314Ah	490	255	741	113.5kgs	14.3/15.36/16.08	Color Touch
LPUS SP 16kWh	51.2V	280/300/314Ah	416	167	900	120.0kgs	14.3/15.36/16.08	Mono & Key
LPUS SPT 16kWh	51.2V	280/300/314Ah	420	260	895	122.0kgs	14.3/15.36/16.08	Color Touch
LPUS SPT 32kWh	51.2V	560/600/628Ah	538	416	818	243.0kgs	28.6/30.72/32.16	Color Touch

*NOTE: All Above details shall be changed without prior notice, CSSUN reserves the right to explain & update the latest information.

Applications

- Home Solar Energy
- Off-Grid/Hybrid Solar System
- Residential BTS Stations
- Wind Energy System
- Telecom System, BT Tower
- UPS System, EPS System

General Features

- Quick installation
- Build in Smart BMS
- Multiple battery modules, max 16pcs parallel
- Able to operate at -20~60°C
- Prismatic Cell, ≥ 6000 times Cycles
- Long life high stability under high-temp.



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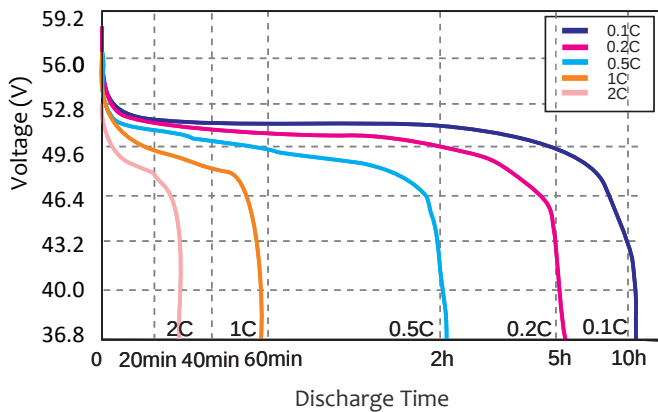


Battery BMS Specifications

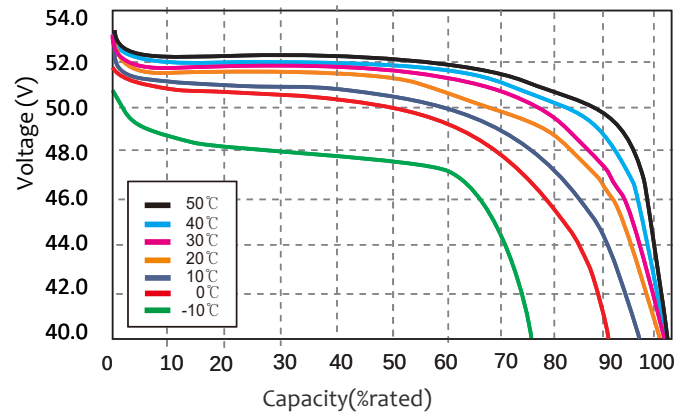
- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Temperature protection
- Cell Voltage balance function
- Short detection function

Battery Performance Characteristics (Data test from 16 Series Cell)

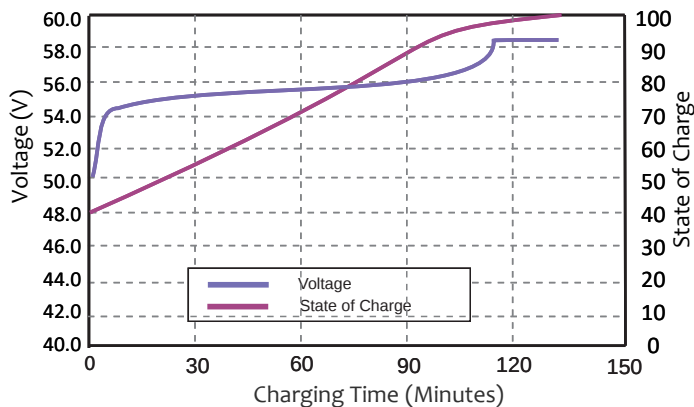
Different Rate Discharge Curve (25°C)



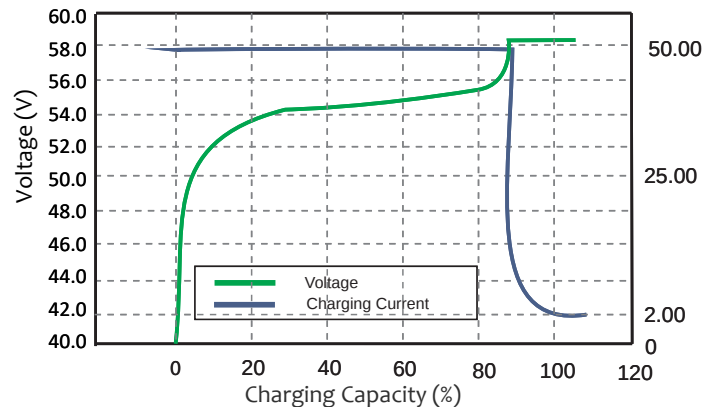
Different Temperature Discharge Curve At 0.5c



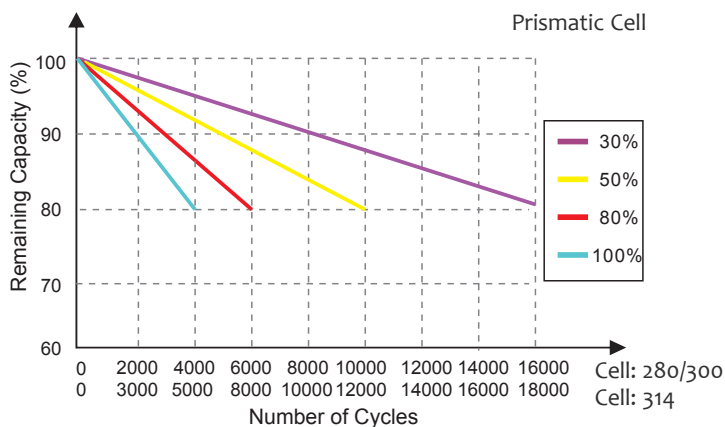
State Of Charge Curve At 0.5c (25°C)



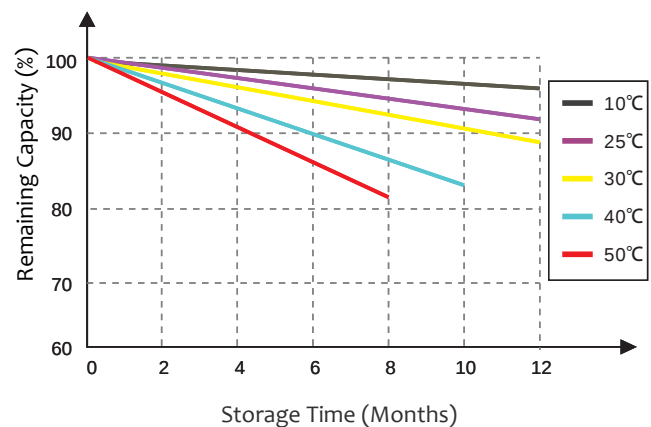
Charging Characteristics At 0.5c (25°C)



Cycle Life Curve At 0.5c According DoD



Self Discharge Characteristics Curve



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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.

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