

12.8V 300Ah LiFePO4 Lithium Battery



Find a huge selection of 12.8V 300Ah LiFePO4 Lithium Battery from China at Sinovo. Model 12-300 is a LiFePO4(lithium iron phosphate) battery with a capacity of 3840wh (12.8v, 300Ah) and IP65 waterproof. Its charging speed is 4-6 times faster than the lead-acid battery, and its lifespan is 2-4 times. It is very suitable for replacing the traditional lead-acid battery. This battery can be widely used in Mobility cart, portable refrigerator, radio equipment, Outdoor Emergency Power, RV, Camper, Solar, Wind Power, Power Backup, Household Electricity, Electronic systems, alarm systems, electric riding toys, golf carts, forklifts, uninterruptible power supplies, Alternative lead-acid batteries, Boat & Fishing, off-grid Solar, foot travel trailer, etc.

Product Description

Sinovo is a professional China **12.8V 300Ah LiFePO4 Lithium Battery** manufacturers and suppliers, if you are looking for the best **12.8V 300Ah LiFePO4 Lithium Battery** with low price, consult us now!

12.8V 300Ah LiFePO4 Lithium Battery Parameter (Specification)

Charactristics

Nominal Voltage	12.8V
Nominal Capacity	300Ah
Energy	3840Wh
Cell & Method	48173166-4S2P
Internal Resistance	≤10mΩ
Cycle Life	≥2000 cycles @0.5C 100%DOD

Standard Discharge

Continuous Current	150A
Max Pulse Current	300A (<10s)

Mediancal

Plastic Case	ABS
Dimension(mm)	522*240*218
UN box(mm)	595*315*300
Net Weight(kg)	32 ± 5%
Gross Weight(kg)	33c ± 5%
Terminal	M8

12.8V 300Ah LiFePO4 Lithium Battery Feature

12-300 - 12.8V 300Ah LiFePO4 Lithium Battery lead acid replacement

●Automotive grade cells

Lithium iron phosphate batteries have exceptional quality since they are manufactured by Automotive Grade LiFePO4 Cells with higher energy density, more stable performance & greater power. Wider application range and higher safety factor.

●Broad operating temperature range,Effective protection

12.8V 300Ah LiFePO4 battery Operating Temp: Charge: 0°C~45°C; Discharge: -20°C~60°C. Our battery is IP65 waterproof, setting you free from worrying to install it indoors or outdoors.

●Safety management system, More safety, stable performance

The built-in Battery Management System (BMS) protects your battery from Over Charge and Discharge, Over Current, Short-Circuiting, as well as Low and High Temperatures for

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increased performance and longer life.

●**Deep cycle LiFePO4 battery**

Our lithium iron phosphate batteries have excellent 4500-5000 cycles and up to 3 years of service life. Compared to other LiFePO₄ batteries on the market, Our LiFePO₄ rechargeable battery is perfect for campers, Home Energy Storage and Off-Grid Applications, etc.

●**High-quality materials, Environment friendly**

Made from 100% safe, nontoxic, not hazardous energy, LiFePO₄ battery has higher chemical stability, is not prone to thermal runaway, and will not overheat or catch on fire even if punctured. With no acid in the battery, you're able to safely mount in any position.

12.8V 300Ah LiFePO4 Lithium Battery Application

This battery is very suitable for replacing the traditional lead-acid battery, can be widely used in Mobility cart, portable refrigerator, radio equipment, Outdoor Emergency Power, RV, Camper, Solar, Wind Power, Power Backup, Household Electricity, Electronic systems, alarm systems, electric riding toys, golf carts, forklifts, uninterruptible power supplies, Alternative lead-acid batteries, Boat & Fishing, off-grid Solar, foot travel trailer, etc.

12.8V 300Ah LiFePO4 Lithium Battery Details

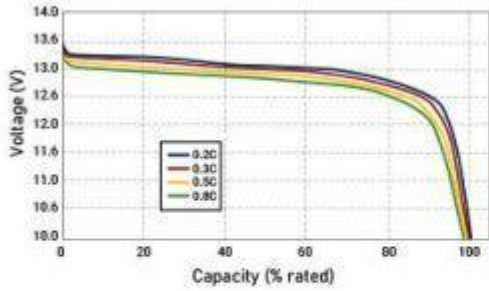
- 1.New Grade A lithium battery, more than 5000 times deep cycle, up to 90% DOD.
- 2.Compact with essential installation cables & accessories.
- 3.Built-in smart BMS, can perfectly match all solar inverters and solar projects.
- 4.Wide Application for Solar Projects, UPS, 5G Station, Military Projects, Solar hybrid power system, home energy storage system..



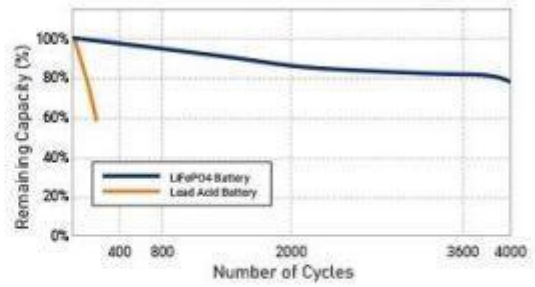




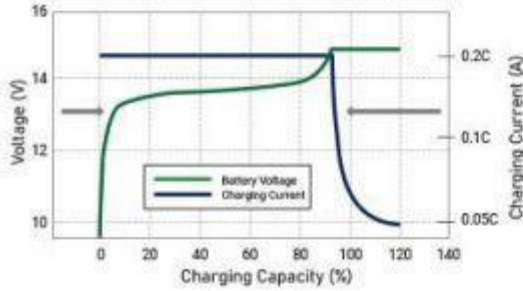
VARIOUS DISCHARGE RATES VOLTAGE PROFILES@25°C



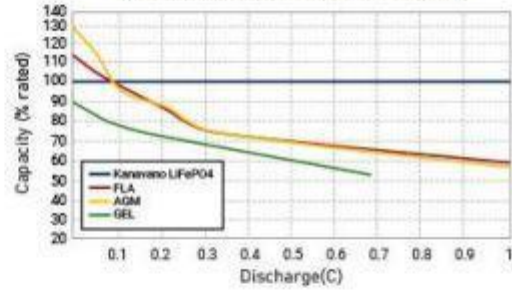
CYCLE LIFE PERFORMANCE CURVE @ 25°C



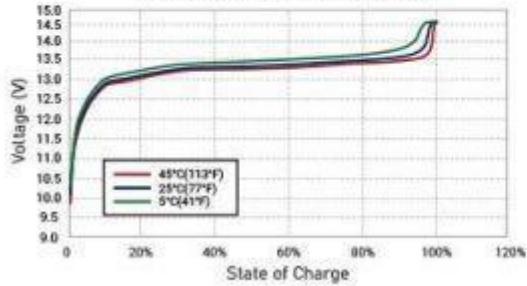
CHARGING CHARACTERISTICS (0.2C AMP @ 25°C)



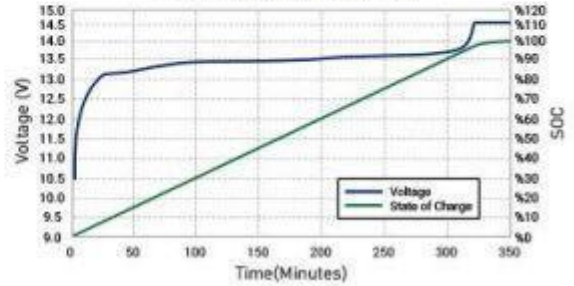
CAPACITY OF LIFePO4 VS. LEAD ACID AT VARIOUS RATES OF DISCHARGE



CHARGE VOLTAGE CHARACTERISTICS AT VARIOUS TEMPERATURES CHARGE 0.2C



CHARGE VOLTAGE AND STATE OF CHARGE(SOC) CHARGE 0.2C @ 25°C(77°F)



Applications

Electric motorcycle



Electric Forklift



Electric Boat



Golf Cart



RV



Audio Equipment



Solar Street Light



Household Energy Storage

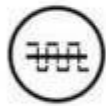


Energy Storage System





150W 32000mAh Portable Power Station



Pure Sine Wave



110V / 220V



150W



PD 100W



Indoor & Outdoor



Safety



Lighting



Cooling Fan

Multiple Recharge Way

The OPS150 provides different kinds of output options so that most demand can be satisfied

