

Wheeled-type Energy Storage Battery Series

15-16KWH



PRODUCT INTRODUCTION

This 51.2V 306Ah/314Ah wheeled LiFePO₄ battery offers high usable energy in a compact, movable pack, delivering long cycle life, high safety, and reliable backup power for residential and small commercial storage systems while simplifying transport, installation, and later capacity expansion, and reducing ownership costs through durable, low-maintenance design.

Convenient

Wheeled battery & compact design, ease of installation

Compatible

Compatible with multiple inverters. Multiple communication interfaces: RS232, RS485, CAN.

Compliant

IP21 Protection, indoor application

Scalable

Two pairs battery ports, auto address, use of parallel connection; from 2 to 14 modules.

Energy

Solar System Home, Wind System

Safe

Multiple protection LiFePO₄ material, safe and long life



SPECIFICATION

Model	HP-LB51 306M	HP-LB51 314M
Material cell	LiFePO4	
Nominal voltage	51.2V	
Rated capacity	306Ah	314Ah
Rated energy	15.66KWh	16.07KWh
Size(mm)	840*500*250mm	
Weight	115kg±2kg	130.5kg±2kg
Design life	≥10years	
Max. charging voltage	57.6V	
Charge/Discharge rate	0.5C	
Discharge cut-of voltage	40.0V~44.0V	
Cycle times	≥6000cycles(@80%DOD,25°C)	
Charging temperature range	0°C~55°C(working below 0°C will affect the performance of battery capacity)	
Discharge temperature range	-20°C~55°C(working below 0°C will affect the performance of battery capacity)	
Storage environment	0°C~45°C@60±25% Relative Humidity	
IP Class	IP21	
Communication	RS232-PC, RS485(B)-PC, RS485(A)-Inverter, Canbus-Inverter	
Certification	CE, UN38.3,MSDS	

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