



Rack Mounted Battery

307.2V 205AH

Technology

Model	307.2V 205AH
Nominal Voltage	307.2V
Nominal Capacity	205Ah
Nominal Energy	62.97kWh
Battery Type	LFP
Cycle Life	6000(80%DOD,0.5C,25°C)
Maximum Number of Units in Series	6 units
Charge Cut-off Voltage	350.4V
Discharge Cut-off Voltage	259.2V
Standard Charge Current	100A
Maximum Charge Current	200A
Standard Discharge Current	100A
Maximum Discharge Current	200A
Dimensions	650*700*1400mm
Weight	580kg
Communication	CAN/RS485
Charging Temperature Range	0C-55C
Discharging Temperature Range	-20°C-60°C
Cooling Method	Natural Cooling
Protection	Built-in Smart BMS
IP Rating	IP30
Warranty	5Years
Certification	MSDS,UN38.3,CE-EMC,IEC62619

FEATURES:

- BMS Protection**
 Overcharge/Over-discharge Protection, Charge/Discharge, Over-current Protection, Short-circuit Protection, Battery Voltage Self-balancing, High-temperature Discharge Cut-off.
- Long Lifespan**
 Can be cycled up to 6000 times, with a lifespan of up to 20 years.
- High Capacity and Lightweight**
 Compact size and ideal choice for indoor or commercial power supply.
- Wide Range of Applications**
 It is suitable for off-grid or hybrid systems, household and commercial appliances.
- Smart Monitoring**
 Easily monitor your battery's status through the mobile app, which supports both Bluetooth and WiFi connections. Stay informed on your battery's health and performance in real-time.
- Easy Installation**
 Supports floor-standing, rack-mounted installation.
- Capacity Expansion**
 Up to 6 units can be connected in parallel, expandable to 62.97kWh.

Max Connected
IN Parallel
6 Units

Max Connected
IN Series
1 Units

Unit Dimensions



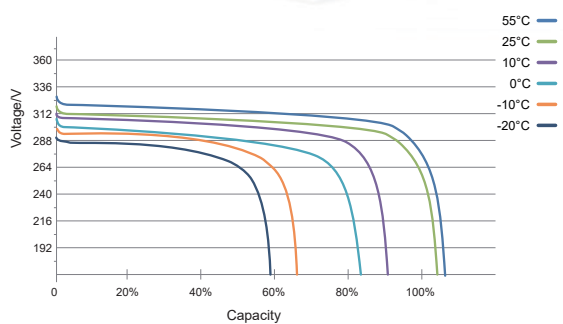
Mechanical

Length	25.6in / 650mm
Width	27.56in / 700mm
Height	55.12in / 1400mm
Weight	1278.68lbs / 580kg
Terminals	M8 insert

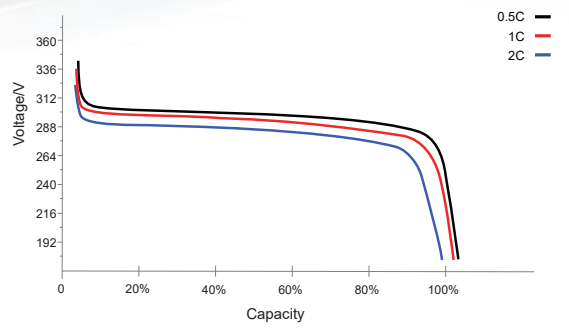
Materials

Case and Cover	METAL
Color	BLACK

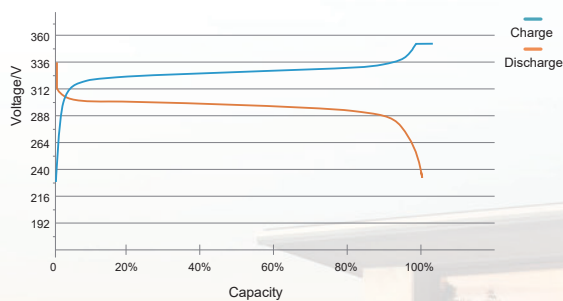
Discharge Characteristics At Various Temperatures



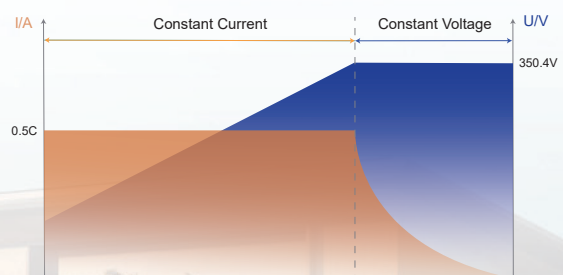
Discharge Characteristics At Various Rates



Charge & Discharge Voltage Characteristics



LiFePO4 Battery Charging Logic @0.5C



PLEASE NOTE

- ★ Lithium batteries ship under Class 9 Dangerous Goods PI 965 Section IA. Please contact your carrier company to determine their requirements for shipping. MSDS Sheets are available upon request.
- ★ Float charging is not applicable to lithium iron phosphate batteries, long-term float charging will accelerate battery aging or damage. If you have to set the float voltage for MPPT/PWM charge controller in solar system, we suggest to set it to (12V Battery)13.2V-13.6V, (24V Battery)26.4V-27.2V, (36V Battery)39.6V-40.8V, (48V Battery)52.8V-54.4V.