

Lithium Iron Phosphate(LiFePO4) Battery (12.8V 200Ah)

LITHIUM BATTERY

Mobisolar 200

easysolar energy

Features Of LiFePO4 Battery

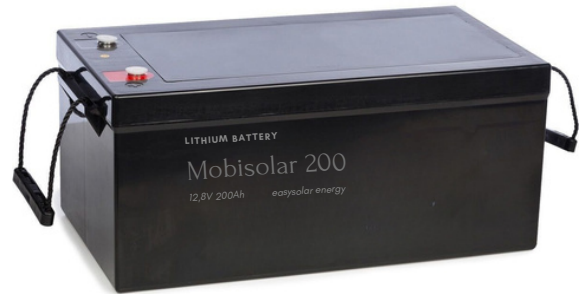
Longer Cycle Life : Offers up to 10 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

Lighter Weight : About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

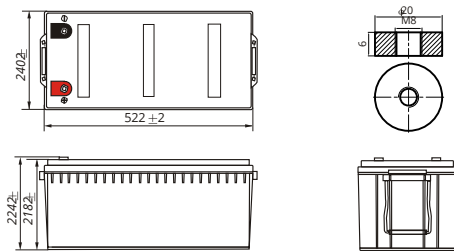
Higher Power : Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range : -20~60°C

Superior Safety : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Physical Dimension-mm



Application

- Solar/Wind energy
- Storage Golf cart
- Back-up Power for
- UPS/EPS Tools

Specification

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	200Ah
	Nominal Energy	2560Wh
	Combination Method	4S
	Cycle Life	≥3000 cycles @80%DOD @35°C
	Months Self Discharge	3%/month
	Efficiency of Charge	≥97%
	Efficiency of Discharge	≥98%
Standard Charge	Recommended Charging Voltage	14.2V
	Recommended Charging Current	40A
	Max. Charging Voltage	14.4V
	Max. Charging Current	200A
Standard Discharge	Recommended Discharging Current	40A
	Max. Pulse Current	200A
	Discharge Cut-off Voltage	10.0V
Environmental	Charge Temperature	0°C~45°C
	Discharge Temperature	-20°C~60°C
	Storage Temperature	0°C~40°C
Other	IP Class	Ip30
	Plastic Case	ABS
	Dimensions (in. /mm.)	522*218*240mm
	Weight (lbs. /kg.)	22kg
	Peotocol(optional)	Bluetooth, shell color, IP rating

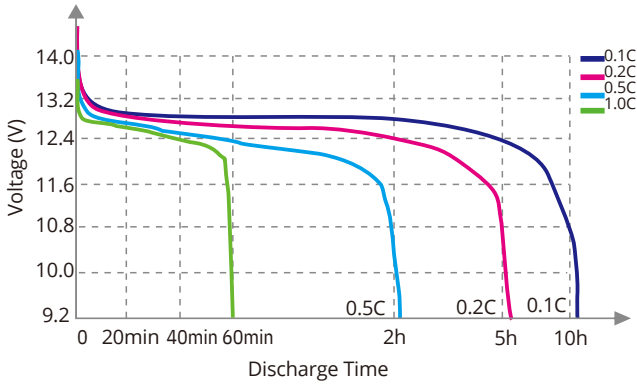
Lithium Iron Phosphate(LiFePO4) Battery (12.8V 200Ah)

LITHIUM BATTERY

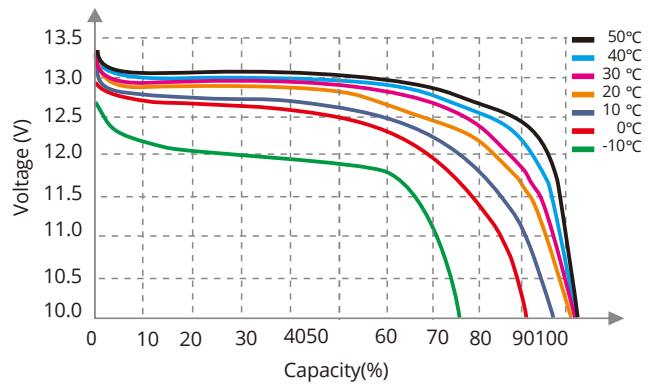
Mobisolar 200

easysolar energy

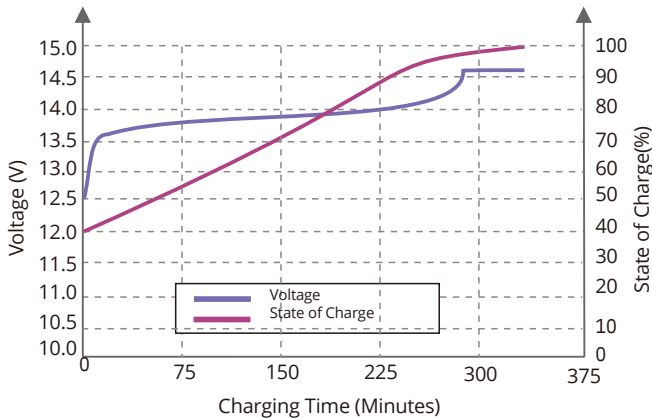
Different Rate Discharge Curve(25°C)



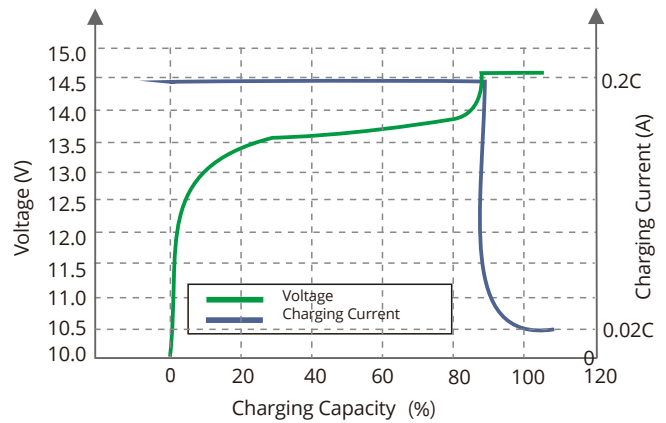
Different Temperature Discharge



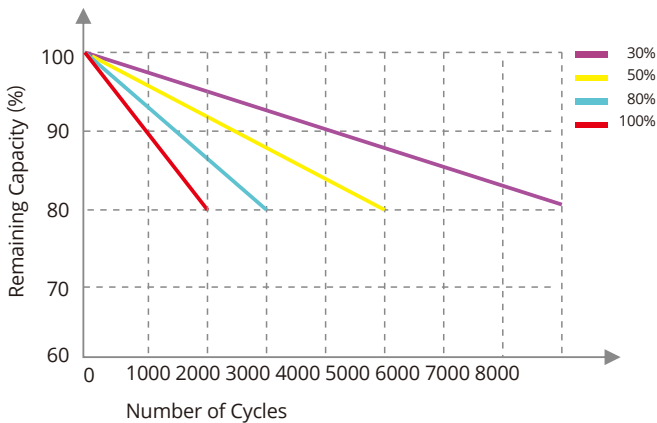
State of Charge Curve(0.2C, 25 °C)



Charging Characteristics(0.2C, 25 °C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve

