



Model: NM12.8-200L

# **12.8V200AH Battery Specification**

### 1. Overview

Model: NM12.8-200L

Category: Lithium ion phosphate Battery

Application: Residential Energy Storage System, Telecom Base Backup, Motive.

### 2. Features

This battery consists of LiFePO4 cells, BMS, wire and plastic container.

- High performance LFP cell, long life, safety and wide temperature range.
- High energy density, small size, light weight, no pollution.
- Packing with single cell container, fire retardant wire and copper connecting bar, stable and safe.
- Smart BMS protect battery from abnormal temperature, voltage, current, SOC, SOH.
- Use Lead Acid Battery case, simple installation and expand capacity by parallel or series connect.
- Flexible customization of dimensions, capacity, voltage.
- 15 years design life, Stable performance, maintenance free.

#### 3. Picture





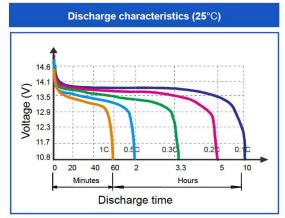
Model: NM12.8-200L

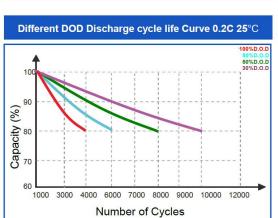
## **4. Specification**

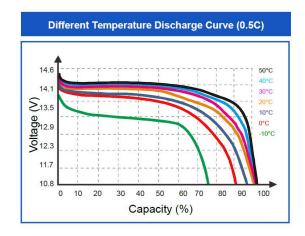
SPECIFICATION	BASIC PARAMETERS	NM12.8-200L
Nominal	Rated Voltage (V)	12.8
	Rated Capacity (Ah)	200
	Rated Energy (Wh)	2560
	Cell Type	LiFePO4 Cell
Physical	Dimension (mm)	502(L)*186(W)*243(H)
	Weight (kg)	≈20
Electrical	Charge Instruction	CC/CV
	Charge Voltage (Vdc)	14.4
	Over Discharge Final Voltage (Vdc)	10.8
	Max. Charge current	200A
	Max. Discharge Current	200A
	Recommended Charge current	80A
	Internal Resistance	≤6m Ω
Others	Series Connect Quantity (pcs)	Max to 4
	Parallel Connect Quantity (pcs)	Max to 4
	Working Temperature (°ℂ)	0 to 45 charge
		-20 to 60 discharge
	Shelf Temperature (℃)	-20 to 45
	Altitude (m)	<2000
	IP Rating	IP65
	Humidity (RH)	5%∼95% RH
	Design Life	15 years
	Cycle Life	80%DOD>6000 cycles,@0.5C
		(25℃)
	Bluetooth (App)	Optional
	Heating Function	Optional
	Case and Cover	ABS Plastic

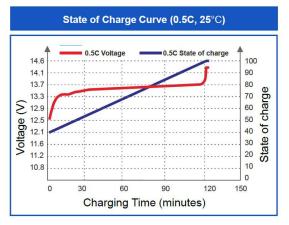
## 5. Curves

Model: NM12.8-200L









### 6. Caution

- 1. Keep it away from Children.
- 2. Don't short-circuit battery.
- 3. Don't disassemble or modify the battery.
- 4. Don't use or leave battery nearby fire, stove or heated place.
- 5. Don't immerse battery in water, or make it wet.
- 6. Don't drive a nail into battery, strike it by hammer or tread it.
- 7. Please strictly use the battery according to above charge and discharge conditions.
- 8. Do not rap or throws, steps on the battery.
- 9. When battery is long-term storage, suggest to take one time charge and discharge and recharge it to half-charge state every 3 months.