Lithium Ion Iron Phosphate Battery(LiFePO4)

CNLP1208



E Sliding Gate

Solar Street Light

Electric Toy

Renewable Energy

UPS

Medical Equipment



Product Advantages



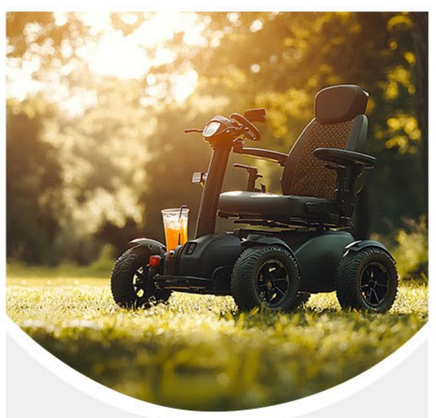
Fire indicator lights



Small robots



Router backup power



Small mobility devices

Product Features

- **Long Cycle Life:**

  Provides up to 20 times longer cycle life and 5 times longer float/service life than lead acid, battery help to minimize replacement costs and reduce total cost of ownership.

- **Smaller Footprint:**

  Batter gravimetric/volumetric specific energy up to 3 times compare with lead acid battery.

- **More Available Energy:**

  Deliver twice energy of the lead acid battery, when discharged with heavy load.

- **Superior Safety:**

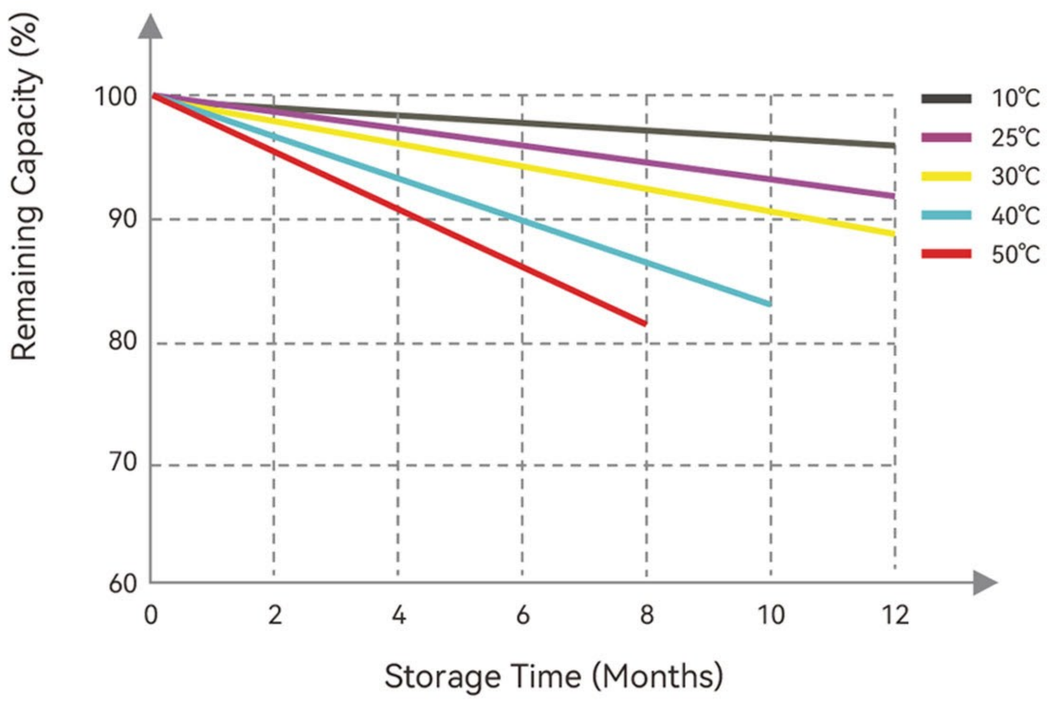
  Build-in BMS -- Eliminates the risk of explosion or combustion due to high impact,overcharging or short circuit situation with safe lithium iron phosphate chemistry.

- **Fully Compatible:**

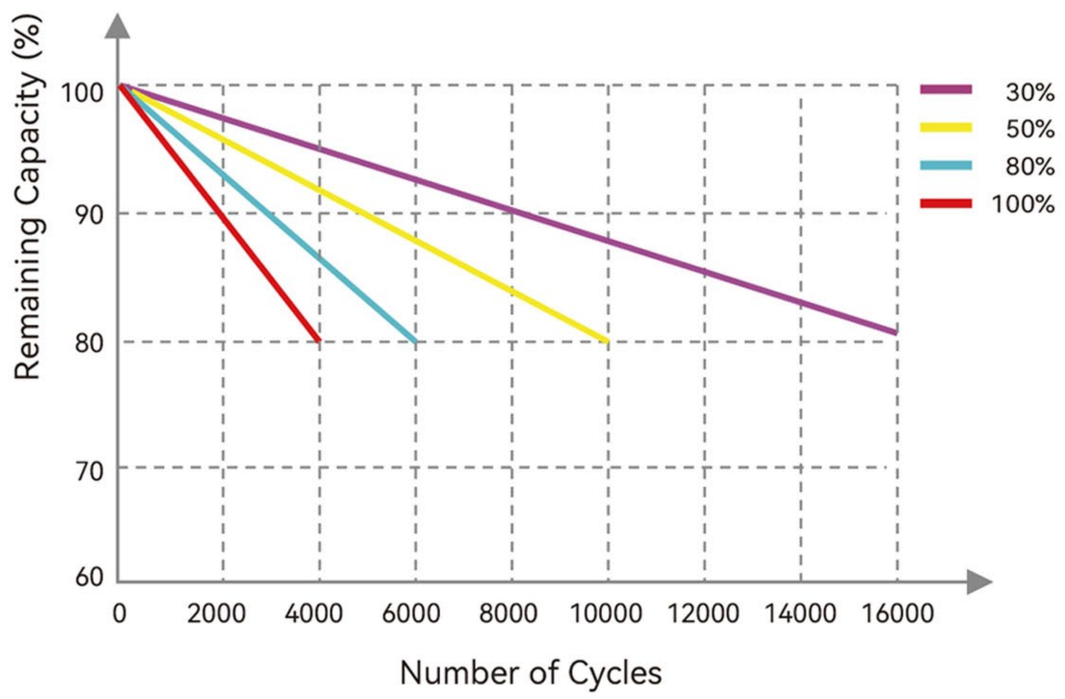
  Design to replace VRLA battery, compatible with conventional lead acid powered system.

Operating Performance

Different Temperature Self Discharge Curve



Different DOD Discharge Cycle Life Curve (0.5C)



Notes:

Battery should be kept in a dry and ventilated place, avoid direct contact with corrosive substances, also away from sources of fire and heat Keep the SOC of the battery above 50% if you need to store it for an extended long period, It should be refresh charged every 3 months regularly and SOC should be maintained at about 50% if battery will be stored for a long term..

Technical Parameters

CNLP1208	
Model	CNLP1208
Nominal Voltage (V)	12.8
Nominal Capacity (Ah)	8
Total Energy (Wh)	102.4
End Charge Voltage (V)	14.6
Discharge Cut-of Voltage (V)	10
Flost Charge Voltage (V)	13.8
Standard Charge/Discharge Current (A)	4 CH/8 DCH
Max.Charge /Discharge Current (A)	8 CH/10 DCH
Peak Output Current (A)	15@60s
Lithium Chemistry	LiFePO4
Cycle Life	6000 @0.5C 80% DOD
Design Life	20 Years
Scalability	2P or 2S
Mechinical Specifications	
Dimension (mm)	W151*D65*H94
Weight (kg)	Approx.1
Ingress Rating	IP 65
Safety Standards	UN38.3, CE
Environment Specifications	
Storage Temperature	-20~55
Operating Temperature Charge (℃)	0~55
Operating Temperature Discharge (℃)	-20~60
Operating Relative Humidity	5~95%