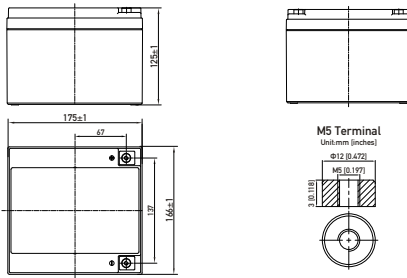


## Features of LiFePO<sub>4</sub> Battery

- **Longer Cycle Life:** Offers up to 20 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 the power of a lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wider Temperature Range:** -20°C ~ 60°C
- **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- **Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.



## Physical Dimension



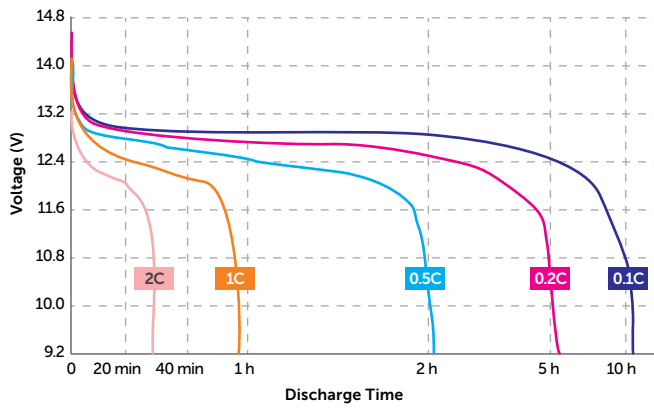
## Application

- Electric vehicles, electric mobility
- Solar/wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

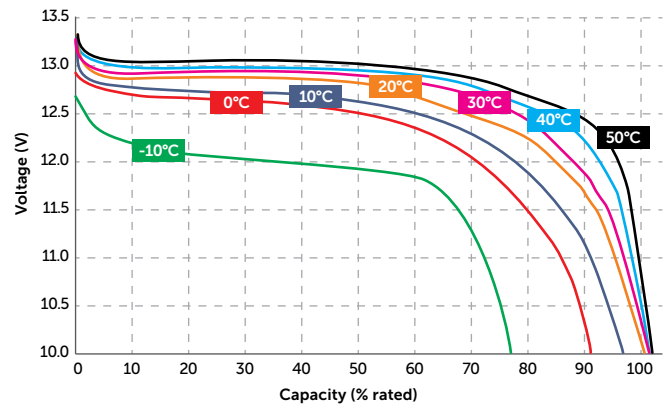
## Specification

Electrical Characteristics	Nominal Voltage	12.8 V
	Nominal Capacity	26 Ah (C <sub>20</sub> , 25°C)
	Energy	332.8 Wh
	Internal Resistance	≤ 40 mΩ
	Cycle Life	> 2000 cycles @ 1C 100 % DOD
	Months Self Discharge	< 3 %
	Efficiency of Charge	100 % @ 0.5 C
	Efficiency of Discharge	96~99 % @ 1 C
Standard Charge	Charge Voltage	14.6 ± 0.2 V
	Charge Mode	0.2 C to 14.6 V, charge current to 0.02 C (CC/CV)
	Charger Current	20 A
	Max. Charge Current	30 A
	Charge Cut-off Voltage	15.6 V ± 0.2 V
Standard Discharge	Continuous Current	30 A
	Max. Pulse Current	40 A (<3s)
	Discharge Cut-off Voltage	8 V
Environmental	Charge Temperature	0°C to 45°C (32 F to 113 F) @ 60 ± 25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4 F to 140 F) @ 60 ± 25% Relative Humidity
	Storage Temperature	0°C to 40°C (32 F to 104 F) @ 60 ± 25% Relative Humidity
	Water Dust Resistance	IP56
Mechanical	Cell & Method	26650 4S9P
	Plastic Case	ABS
	Dimensions (in/mm)	175 x 166 x 125 mm (6.89 x 6.54 x 4.92 in)
	Weight (lbs/kg)	4.2 kg (9.259 lbs)
	Terminal	M5

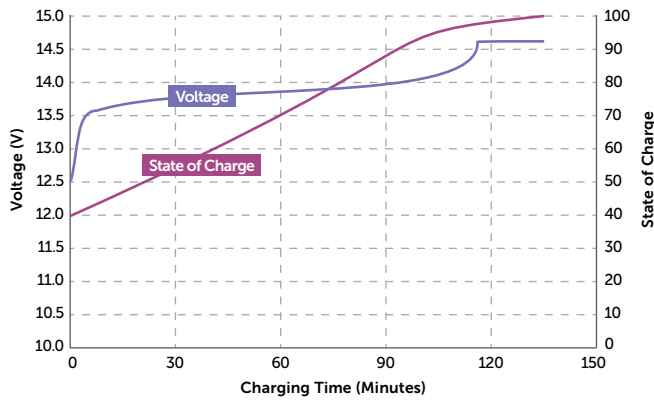
### Different Rate Discharge Curve @ 25°C



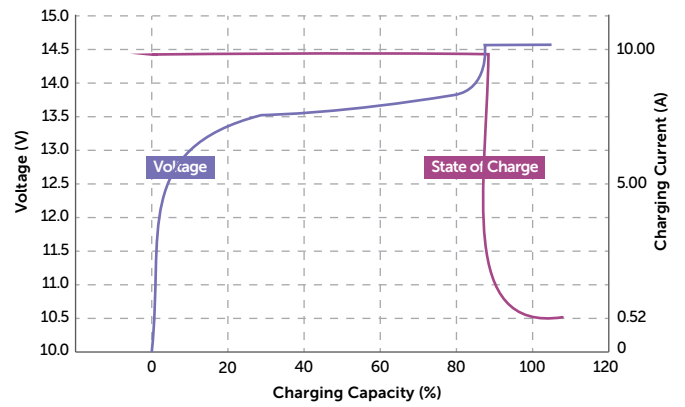
### Different Temperature Discharge Curve @ 0.5C



### State of Charge Curve @ 0.5C 25°C

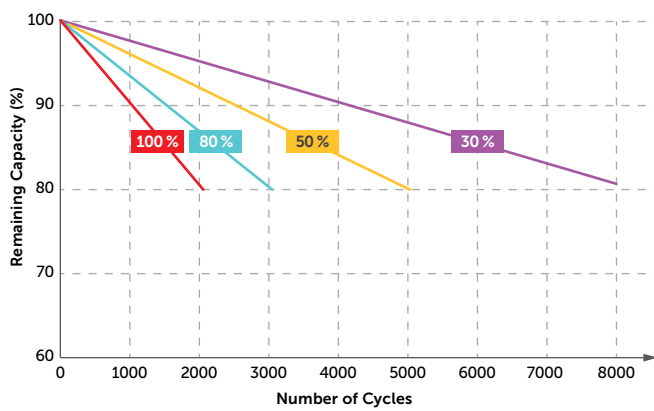


### Charging Characteristics @ 0.5C 25°C



### Cycle Life Curve

#### Different DOD Discharge Cycle Life Curve @ 1C



### Self Discharge Characteristics Curve

#### Different Temperature Self Discharge Curve

