

12V 280Ah



Battery Parameters

| Chemistry | Configuration | Voltage | Capacity |
|-----------|---------------|---------|---------------------|
| LifePO4 | 4 Series | 12V | 280Ah (3,580 Watts) |

Battery Performance

| Voltage Range | Charge Voltage | Max Discharge Rate | Max Charge Rate |
|--|----------------------|----------------------|-------------------|
| 10.0 – 14.6 Volts | 14.6 Volts | 150 Amps | 150 Amps |
| Warning. Do not overcharge the battery. | Cell Configuration | Temp Discharge Range | Temp Charge Range |
| | 4 Series, 3 Parallel | -30C – 55C | 0C - 55C |

Battery Dimensions

| Model | Length | Width | Height | Weight |
|----------|---------------|--------------|---------------|------------------|
| STANDARD | 522mm (20.5") | 240mm (9.4") | 218mm (8.6") | 26.0Kg (57.0lbs) |
| SLIM | 561mm (22.1") | 125mm (4.9") | 316mm (12.4") | 22.9Kg (51.0lbs) |

Q&A

Connecting the battery in Series or Parallel?

This battery can be connected both in [Series](#) and in [Parallel](#).

Upto 4 batteries can be connected in [Series](#) to create a 48 Volt system.

You can connect this battery in [Parallel](#) with others of the same chemistry, make sure the voltage is within 1 Volt upon connection to prevent large energy transfers between batteries.

Do not connect this battery in Series with others.

What is the life of the battery?

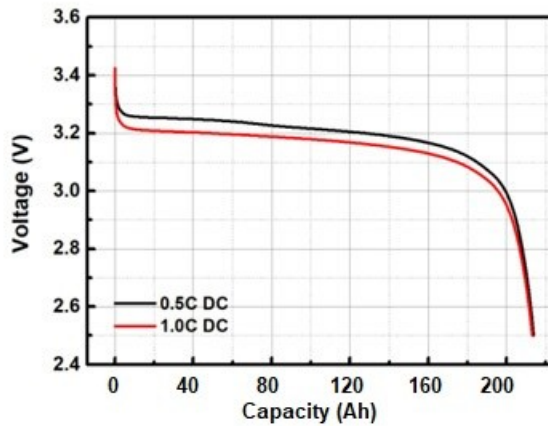
This battery will degrade to 80% capacity after 3,500 cycles. Total lifespan is expected upto 15 year range, depending on a number of factors.

Is there a warranty?

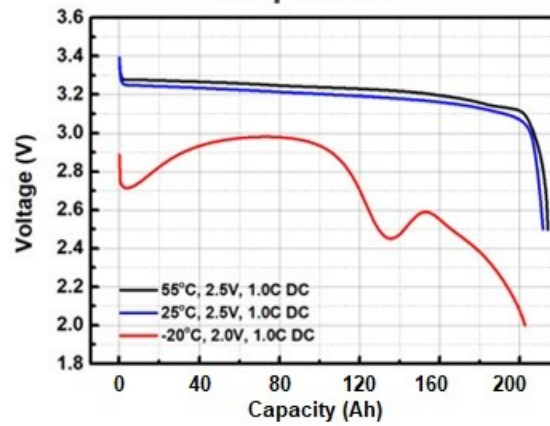
Yes, we offer a comprehensive 5 year warranty on all batteries. Detailed information is provided on our website.

Electrical Performance Diagram

1、Rate discharge curve at 25°C



2、Discharge curves at different temperature



3、Cycle curve (charge/discharge:1C/1C, 3.65V-2.5V)

