

# 12V 105Ah

[Product Link](#)



## Battery Parameters

| Chemistry | Configuration | Voltage | Capacity            |
|-----------|---------------|---------|---------------------|
| LifePO4   | 4 Series      | 12V     | 105Ah (1,340 Watts) |

## Battery Performance

| Voltage Range                                  | Charge Voltage     | Max Discharge Rate   | Max Charge Rate   |
|------------------------------------------------|--------------------|----------------------|-------------------|
| 10.0 – 14.6 Volts                              | 14.6 Volts         | 100 Amps             | 100 Amps          |
| <b>Warning.</b> Do not overcharge the battery. | Cell Configuration | Temp Discharge Range | Temp Charge Range |
|                                                | 4 Series           | -30C – 55C           | 0C - 55C          |

## Battery Dimensions

| Model   | Length        | Width        | Height       | Weight           |
|---------|---------------|--------------|--------------|------------------|
| COMPACT | 345mm (13.6") | 190mm (7.5") | 245mm (9.6") | 10.2Kg (22.5lbs) |

## Q&A

### Connecting the battery in Series or Parallel?

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

Up to 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?

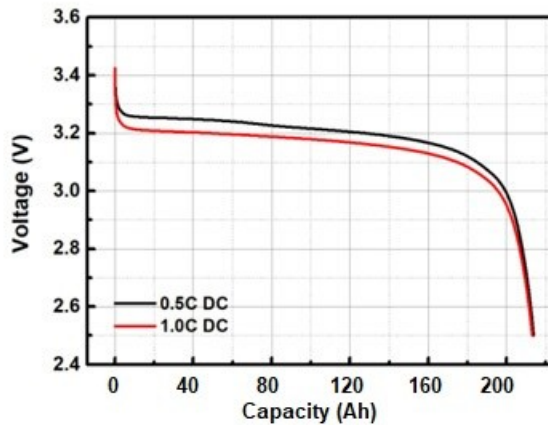
This battery will degrade to 80% capacity after 3,500 cycles. Total lifespan is expected upto 15 year range, depending on a number of factors.

### Is there a warranty?

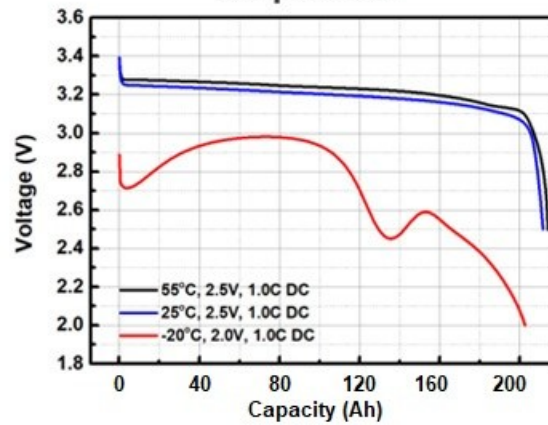
Yes, we offer a comprehensive 5 year warranty on all batteries. Detailed information is provided on our website.

# 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)

