

# 12V OWL MAX



## PARAMETERS

*Note: Bulk, Absorption, Float, and Equalize are not applicable to lithium batteries but are included here with the correct numbers to input into your charge controller as they are our most commonly requested parameters.*

**Charge Voltage:** 14.6V

**Bulk Voltage:** 14.6V (Not Applicable to Lithium Batteries)

**Absorption Voltage:** 14.6V (Not Applicable to Lithium Batteries)

**Absorption Time:** 0 Minutes (Not Applicable to Lithium Batteries)

**Float Voltage:** 14.6V (Not Applicable to Lithium Batteries)

**Equalize:** Off (Not Applicable to Lithium Batteries)

**Low Voltage Cutoff:** 9.8V (11.5V for Increased Cycle Life at 85% DoD)

**High Voltage Cutoff:** 14.6V



## FREQUENTLY ASKED QUESTIONS

### How do I connect this battery into my existing system?

Our product uses an Anderson SB175 connection. All you need to connect to our battery is an Anderson SB175 adapter (which we sell on our website) connected with 8, 6, 4, 2, or 0 gauge wire going to your system.

### How many times can I put this battery in parallel / series?

This battery can be connected in parallel up to eight times and can be connected in series up to 48V, as long as the total amount of these batteries in your configuration never exceeds eight total batteries.

### What is the ideal temperature range for this battery?

This battery's recommended discharge temperature range is between -30°C and 55°C, with an optimal range of 15°C to 35°C. Despite the BMS low temperature disconnect for charging this battery being 24°F we still recommend to charge between 0°C and 35°C. Finally, this battery can be stored safely for up to six months between -20°C and 35°C.

### Can I connect into this battery's BMS to get extra info?

Our BMS is just there to keep your battery safe and healthy, it does not have the ability to network with any charge controllers or inverters for extra read-outs.

### What is the warranty on this battery?

We offer a comprehensive 10 year warranty on all of our batteries. You can read more about our warranty at [BigBattery.Com/Policies](https://BigBattery.Com/Policies)



## CONTACT US

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## BATTERY SPECS

### Chemistry:

Lithium Iron Phosphate

### Voltage:

12V

### kWh:

2.585 kWh

### Amp Hours:

202 AH

## BMS SPECS

### Max Continuous Discharge:

175A

### Max Continuous Power:

2240W

### Max Peak Discharge:

350A (Over 6 Seconds)

### Suggested Charge Voltage:

14.6V

### Max Charge Current:

175A

### Suggested Charge Current:

80A

## BATTERY SIZE

### Weight:

43 lbs

### Length:

10.24 in

### Width:

7.09 in

### Height:

11.89 in