Congratulations!

You now own one of the most advanced batteries produced by one of the leaders in high output car audio battery systems. JY Power's ultra-high performance batteries utilize LiFePO4 chemistry for the best balance of power and ease of use.

Benefits:

- High Power Density
- Extremely Fast Recharge Capabilities
- Zero Required Maintenance
- Significantly Higher Voltage Under Load Than Traditional Batteries
- Non-Spillable - Can Be Mounted In Any Position For Ease Of Installation

Charging Before Use

- Place the battery on an approved charger or benchtop power supply, set to 14.6 volts. Do not install directly into the vehicle before charging.
- To determine the proper charging time, divide 26 by your charger output. Example: a 10 amp charger would take 2.6 hours.

Safety:

Normal Charging

Do not over-charge this battery. We recommend charging the battery at a minimum of 13.8 volts, with a maximum of 14.8. A cold alternator charging into the low 15v range for short duration is acceptable.

Note: Charging above 14.8 volts adds no capacity and dramatically decreases overall battery life.

We do not recommend allowing the battery to rest at the minimum voltage (10.0v).

Recommended Chargers

Recommended chargers include CCCV (constant current constant voltage) chargers at 14.6v, and a benchtop adjustable power supplies set to 14.6v, charge current up to 200a

Charging a Dead or (Near Dead) Battery

· In the event of over discharging through idle drain, it is recommended to slowly (10a or less) charge the unit back to float voltage (13.3v). Once this is accomplished, monitor the voltage of that battery over a 1-2 hour period. If no significant draining occurs, you may continue to charge the battery. If not - contact your dealer or JY Power.

· Do not charge a completely depleted battery using the alternator. Connect an approved aftermarket charger to the battery until a safe voltage level (minimum 13.8 volts) is achieved.

· Do not jump a dead battery from another car (Too much stored power in the Lithium may damage the other vehicle's battery).

Storage

For long term storage it is recommended to disconnect the battery and drain it to 50% state of charge (13.1v float). The battery can be stored for up to five years without recharging, provided it is stored at the recommended temperature range: 70-90F (15-32C).

Breathtakingly Stupid Things to Avoid at All Costs

· Never attempt to puncture the hull of the battery. Yes, it's aluminum. No, you still can't ever do it.

· This battery is not designed to be directly exposed to water. This includes UTV's, motorcycles or watercraft. Exception: If the enclosure is sealed in a water-tight environment with a one-way vent, the battery may be used.

· Never heavily use in temperatures below 32 or above 140F. Allow the vehicle's heater/air conditioning to correct the temperature before use. Below 32F, playing the system at low volume is usually sufficient to raise the battery temperature to an acceptable level.

· Never install this battery in the engine bay of a vehicle.

Recommended Power Cable Sizes

The cable size will depend on the amount of current draw you require. Determine this by adding all the fuses together for every amplifier to be connected to the battery/batteries.

Rating @ 20'

8AWG 20 amps

4AWG 60 amps

1/0AWG 140 amps

2/0AWG 180 amps

Terminals

The battery comes with four M6 connections, expandable to eight with the Jim's Machineworx TI-8 adapter. Standard bolt is a Stainless Steel M6*10mm standard pitch.

Got More Questions?

Contact us by chat on the JY Power Facebook page, or by email at contact@jypbatteries.com.

Disclaimer

Warranty void if voltage or temperature ranges exceeded. Standard warranty is 1 year from date of purchase, if registered 2 years. Warranty covers manufacturer defects in performance, please see data sheet for more information.