



1411 S. Roselle Rd. Schaumburg, IL 60193
Phone (847) 923-0002 Fax (847) 923-0004

www.AltronicsInc.com



12 VOLT LITHIUM BATTERIES

*****IMPORTANT*****

These instructions are NOT applicable to PowerLite PRO SERIES batteries.

This model of battery does NOT feature a BMS protection system. This means that the user should use with caution and follow instructions. If you would like more information on our PRO series batteries that do feature a BMS, please contact us.

Do not fully drain battery! Irreversible damage will occur. Batteries that have been fully drained below 9 Volts will **NOT** be covered under warranty. **DO NOT USE or CHARGE BATTERY IF IT HAS BEEN DISCHARGED BELOW 9 VOLTS or if STATUS LED is BLINKING RED.** Contact Altronics.

Recommend to disconnect battery from vehicle during any period of non use.

Do not Turn Over, Bump, Start engine, or draw more than 25 amp load with Charger attached. This will immediately damage output circuit of charger. (This damage is easier detectable upon inspection and will void warranty on charger).

Status LED: (This is the LED on top of the BATTERY, not the charger!)

There is a **Status LED** in the top of the battery. This **LED** will blink **Green** every 15 seconds indicating the battery has a safe charge level. A **Green LED** does NOT mean the battery is fully charged. If the battery falls below a safe charge level the **LED** will turn solid **Red** and an audible warning beep will sound every 30 seconds for the next 24 hour period. If the battery is charged during this period and returned to a safe level, the **LED** will turn back to **Green**. If the battery is not charged during this 24 hour period the **LED** will begin to blink **Red** every 15 seconds and will NOT return to **Green** even if charged. A **Red LED** will be an indication that at some point the battery was drained below a safe level. Discontinue use if **LED** is **Red**. ONLY USE or CHARGE battery when Status LED is blinking **Green**.

Thoroughly read following page of instructions!



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POWERLITE

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Instructions: *These instructions are NOT applicable to PowerLite PRO SERIES batteries.*

CAUTION: Due to high current discharge rate handle with extreme care. Improper usage can result in serious injury or death. Product installation must be performed by a certified technician only!

Installation:

- 1) Mount battery securely in approved vented battery case or with battery hold down.
- 2) Battery can be mounted in any position. (Make sure battery terminals have at least 2 inches of clearance from any conductive materials to avoid shorting.)
- 3) Use included 5/16-18 bolt/washers (1/2" length MAX) to attach battery cables to battery terminal.

Charging: ONLY USE or CHARGE BATTERY IF THE STATUS LED is BLINKING GREEN.

- 3) Charge battery with supplied charger only!
- 4) First Red led on charger indicates battery connected. Second Red led on charger indicates battery is charging. When second led turns Green on charger, battery is fully voltage.
- 5) **IMPORTANT:** When Green light is on, charger will still "Balance" battery. You can leave charger on for up to 2 hours to fully Balance. Do this periodically after race or before storage to extend life of battery. Do not leave on more than 2 hours!
- 6) Charge battery after each use.
- 7) Connect clamps to battery before turning power switch ON. Turn power switch OFF before removing clamps. Shorting clamps with switch ON will blow fuse! Disconnect charger after charging is complete.
- 8) Do not charge battery unattended.
- 9) Do not leave charger connected to battery with switch in OFF position. It will drain battery!
- 10) Alternators must be regulated at 14.6 volts.
- 11) **Do not charge batteries in parallel, only charge battery independently!**
- 12) **Do NOT bump, turn over, or start engine with charger attached! Turn off all accessories while charging.**

Storage:

- 13) Do not leave charger ON during stored periods.
- 14) Charge battery before any period of storage. Fully charged battery can be stored for three months without having to recharge. Recommend to remove battery from vehicle during storage.

Usage: ONLY USE or CHARGE BATTERY IF THE STATUS LED is BLINKING GREEN.

- 15) **Do not fully drain battery!** Irreversible damage will occur. Batteries that have been fully drained below 9 Volts will NOT be covered under warranty.
- 16) Charge battery after each use.
- 17) For Off Road Use Only. All other uses Prohibited.
- 18) Battery is NOT water proof. Do NOT get wet.

Warranty:

Battery is warranted for 1 year against any defect in materials and workmanship from date of purchase. Warranty voided if battery is not charged with PowerLite Charger. All warranty claims are subject to failure testing verification.

Terms and Conditions of Use:

ALTRONICS Inc shall not be liable for injury, consequential, or other types of damages resulting from the use or misuse of the PowerLite battery products. For Off Road Use Only. All other uses Prohibited.

POWERLITE

Battery Health Check -12 VOLT

These instructions are NOT applicable to PowerLite PRO SERIES batteries.

You can check the overall health of your battery with the following method:

1) Disconnect battery from vehicle.

2) Complete a "Balance" charge on the battery (See instructions).

a) Balance Charge- When Chargers **Green** light is on, it will still "Balance" battery. You can leave charger on for up to 2 hours to fully Balance. Do this periodically after race or before storage to extend life of battery. Do not leave on more than 2 hours!
Do NOT charge battery unattended!

3) Disconnect battery from charger and let battery sit 12 hours.

4) Measure battery voltage:

a) 13.6 volts or above – 100%

b) 13.4-13.6 volts – good

c) 13.2-13.4 volts – poor – try balance charging again and check.

d) 13.2 or less – bad – battery is out of balance. Battery can be permanently damaged if cycled further. Contact Altronics.