

to the above ratings. Overcharging can cause the safety valves to open and battery gasses to escape, causing premature failure. **These gasses are explosive!** Batteries contain sulfuric acid and produce explosive mixtures of hydrogen and oxygen.

Disconnect/turn off the battery charger immediately if any battery becomes hot or makes hissing noise during recharge. wait approximately 30 minutes to allow gasses to dissipate. Proceed with CAUTION, use proper safety to disconnect the battery from the charger. To disconnect, first remove the NEGATIVE cable and then the POSITIVE cable.

Also insure that the battery is fully charged before use, failure to fully charge a battery can result in a reduction in capacity and cycle life.

Battery Storage:

OPTIMA has a much lower self discharge rate than conventional batteries due to its unique grid design. Depending on storage temperature, the OPTIMA can sit unused for 8 to 12 months without recharge.

When possible, disconnect and fully charge the battery before storage. Store the battery in a cool, dry location. Check the battery voltage every 6 months and charge if it falls below 12.4 volts.

Storage Temperature:

Storage information assumes an approximate average temperature of 77°F. Higher temperatures will shorten battery storage time. To determine an approximate storage time you can make an estimate that for each 10°F increase in average storage temperature, the time you can store your battery will be cut in half.

Remember, newer vehicles with on-board electronics such as computers, clocks, etc., require battery power to retain system memory while the vehicle is parked. If the vehicle is to be stored for long periods, you should charge the battery every 2-3 months or use a maintenance charger to compensate for this drain. A maintenance charger should be voltage regulated between 13.2 - 13.8 volts, 1 amp maximum. On older vehicles, without electronics, disconnect the battery cables when the vehicle is not being used for extended periods.

Warranty:

In the event of failure, retain your original receipt for proper issuance of credit. Claims without proper identification of purchase date will result in adjustment from the date of manufacture.

OPTIMA urges all purchases to be registered, so please call toll free (888) 8OPTIMA or visit our web site at www.optimabatteries.com.

Attached is a registration form you may also complete and return at your convenience.

OPTIMA
BATTERIES

THE ULTIMATE POWER SOURCE™

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BATTERIES

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U S E R ' S G U I D E

Congratulations!

You now own the world's most advanced battery produced by the leaders in SPIRALCELL TECHNOLOGY®. The OPTIMA® is a sealed, maintenance free battery with advanced design techniques that out-perform all other lead-acid batteries.

Benefits of the OPTIMA SPIRALCELL:

- High power density.
- Rapid recharge capability.
- Maintenance free.
- Higher, more consistent voltage under load.
- Increased vibration resistance for longer life.
- NONSPILLABLE classification.

Warning Message:

⚠ DANGER/POISON

👁 SHIELD EYES EXPLOSIVE GASES CAN CAUSE BLINDNESS OR INJURY

🚫 NO SPARKS, FLAMES, SMOKING

👉 SULFURIC ACID CAN CAUSE BLINDNESS OR SEVERE BURNS

🚰 FLUSH EYES IMMEDIATELY WITH WATER. GET MEDICAL HELP FAST

KEEP OUT OF REACH OF CHILDREN

Operational Tips:

- Always wear proper eye, face and hand protection when working with battery.
- Never lean over battery while boosting, testing, or charging.
- Exercise caution when working with metallic tools or conductors to prevent short circuits and arcing.
- Keep terminals protected to prevent accidental shorting.
- Replace any battery that has signs of damage to the terminals, case, or cover.
- Install battery in a ventilated area for operation and during charging.
- DO NOT ADD WATER TO THE OPTIMA BATTERY.

Battery Applications:

When deciding what battery to use, or how many batteries are needed, you must meet or exceed the power and capacity requirements of your application. However, in some applications where capacity is not critical, the fast recharge and high

The following response and registration card is to assure that our company is best meeting your needs. Any comments would be appreciated.

1. How did you hear about OPTIMA batteries?

3. What other types of vehicles do you own that could benefit from an OPTIMA battery?