

Technical Service Bulletin

UPS Storage and Recharge

This memo is intended as a reminder to all customers and end-users of Marathon Power UPS products that it is **imperative** that the lead-acid batteries utilized in the UPS be maintained properly and regularly.

Hardened lead sulfate coats the electrodes if lead-acid batteries are overly discharged or left standing in the discharged state for prolonged periods. This will not be removed during recharging. Such build-up reduces the efficiency and life of batteries and may permanently damage the battery. If a battery has been damaged due to its internal chemistry as described above, and is used in a UPS, it can appear to the charging circuit as a short circuit, causing excessive current to flow through the charger circuits and consequently destroying them. This may also cause the electrolyte to escape as corrosive gases.

As stated in our product manuals, in order to avoid this type of misuse and damage, UPSs with internal batteries must be maintained with a full charge at least once every 3 to 6 months. This can be accomplished very easily by simply connecting the UPS to its rated-power input line and allowing the batteries to recharge.

Notes:

Please adhere to the following instructions if the UPS is not to be installed shortly after delivery:

1. Store the unit as is in its original packing and shipping container.
2. The storage temperature range is 5°F to 113°F (-15°C to +45°C).
3. The optimum operating temperature range is 59°F to 77°F (+15°C to +25°C).
4. The ambient operating temperature range is 32°F to 86°F (0°C to +30°C).
5. Ensure that the equipment is fully protected from wet or damp areas and from moisture.
6. *Ensure that the UPS is recharged every 6 months for at least 8 hours in order to maintain battery energy and maximize useable life.*

Marathon Power is available between 7:00 am and 6:00 pm Pacific Standard Time from Monday through Friday and can be contacted via email E-mail at support@marathon-power.com