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Battery Charging Trouble Shooting Guide:

If no LED's light when the battery is plugged into the charger then one of the following problems exist:

- a) The battery is connected in reverse polarity. Carefully check all battery connections and trace wiring to the connector.
- b) The battery is completely dead (no terminal voltage). Note: if left for a few minutes without load even a fully discharged battery will develop enough terminal voltage to start the charger.
- c) The fuse on the face of the charger has been blown. This will occur if the charger has been subjected to excessive current eg. Running a lift motor while the charger is in the process of charging the battery.

Battery and Charging Tips:

Lead acid batteries emit hydrogen and oxygen gases, and sulfuric acid fumes during recharging, therefore you must vent the battery compartment to prevent these gases from accumulating. Do not smoke or use open flame when working around batteries. Do wear appropriate safety apparel including eye protection when handling or working around batteries.

Do not leave discharged batteries for more than a day or two without recharging. They undergo a chemical process referred to as sulfating. Sulfating is the build up of dry sulfuric acid on the lead plates of the battery, a common sign of sulfating is the sides of the battery are bulging. These batteries may be permanently damaged and very difficult to recharge. Always periodically recharge batteries even when they are not in use.

Connections to the battery posts must be made with permanent connectors that provide a reliable low-resistance connection. Alligator clips are not a suitable connection. Clean your batteries contacts regularly and prevent corrosion by using an approved insulating spray coating.

Lead acid Battery capacity is temperature sensitive. Battery capacity is rated at 25deg.C (77deg. F)
At -20deg.C (0deg.F) the amp-hour capacity is about half of the rated capacity.

For none "maintenance free" batteries, the electrolyte fluid level should be checked at least once a month. Use only distilled water to replenish the electrolyte fluid. Refer to your battery manufacturers specifications for details. Follow all local electrical codes to ensure a safe installation.
