

Xpower Powerpack 600/1500 Initial Battery Charge

Technical Bulletin

Xpower 600/1500

976-0054-01-01 Rev A

Introduction

This technical bulletin suggests a recommended procedure for performing the initial battery charge for a new XPower 600 and XPower 1500.

Problem

A new, out-of-the-box XPower 600/1500 may not immediately accept a charge even though its charger light turns green, indicating that the battery is fully charged, according to the Owner's Manual.

All XPower Powerpack lead acid batteries will naturally self-discharge over a period of several months when they are held in storage (such as in a warehouse). This is due to a naturally occurring chemical process within the battery even when the inverter is off. The Owner's Manual recommends that the battery be periodically recharged every three months for maximum performance, especially if the XPower is left in a place where it is not attached to the charger, such as a vehicle trunk. In a home, the AC charger may be left on continuously as it automatically reduces to a float charge which maintains the battery at full charge without risk of overcharge. If the XPower battery has been in storage for many months, the battery must be charged for an extended period or time to fully prepare the battery for normal duty use.

Solution

The longer the XPower battery has been stored, the longer the battery will take to recharge initially. The initial refresh charge to "wake up" the battery may take as long as seven days to achieve best battery performance and life expectancy. After the first few battery discharge and charge cycles have taken place the battery gradually achieves full capacity and the ability to recharge within the 8 to 15 hours as described in the respective Owner's Manuals.

To charge a battery that has been in prolonged storage:

1. Connect the included 5 amp battery charger to the XPower Powerpack as described in the Owner's Manual.
The charger light may switch to green almost immediately for a battery that has been warehoused for several months. During the initial refresh charge the 5 A charger should remain connected to the XPower to continue charging for up to 7 days for maximum battery performance.
2. After several days of initial charge, disconnect the charger and allow the XPower to rest for 15 minute. Then test the battery capacity indicator lights. All four lights should be illuminated indicating retention of a full charge.

3. Turn on the inverter and connect an incandescent 40 watt light bulb load to verify 120 Vac operation.

If the Xpower Powerpack does not hold its charge after completing the steps 1 to 3, contact your place of purchase or Xantrex customer service at 1-800-670-0707. XPower batteries reach their maximum capacity performance after approximately five charge and discharge cycles.

The XPower Powerpack should now be ready for use. After discharging the battery and reconnecting the recharger, the recharger light will initially glow amber, then green after several hours as the battery reaches a full charge.

For best performance Xantrex recommends that you recharge the XPower fully between uses. Read the entire Owner's Manual for other features and to achieve maximum benefit from this product.

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