

## INSTRUCTIONS

Connect red battery clip to positive (+) battery post. Then connect black battery clip to negative (-) battery post.

Once you've connected the battery cables properly, you can begin the charging process. Plug Xtreme Charge™ into 110-220 ac power source.

## TEST

Green "On" light illuminates, indicating charger is receiving proper ac input. If it's connected to battery correctly, red "Test" LED lights, indicating unit is testing battery's condition.



## FAULT CONDITIONS

If red "No Connection" light illuminates, charger is not connected to battery or inline fuse on positive battery lead needs to be replaced.

Should all the lights flash on and off and an audible warning buzzer be heard, battery clamps are connected in reverse. Refer to Safety Instructions booklet for detailed procedures to make sure leads are connected properly.

If red "Bad Battery" LED lights, Xtreme Charge™ is connected to a 6-V battery or a non-rechargeable 12-V battery.



## CHARGING CONDITIONS

Once charger has evaluated battery's current condition, "Test" light goes off. The appropriate charge profile begins automatically.

Green "Charging" light indicates Xtreme Charge™ is providing bulk charge to battery.

Three green "Pulsing" LEDs light sequentially as charger conditions battery simultaneously. Patented Pulse Technology enables it to accept and maintain its maximum charge.

During "Test" cycle, charger determines battery's state of charge and illuminates the appropriate light: "25%," "50%," "75%" or "100%."



## CHARGING CONDITIONS

After battery is charged fully, green "100%" light illuminates, and "Charging" light goes off. This indicates charger is providing float charge to battery. It may now be placed into service or left on the Xtreme Charge™ indefinitely to maintain peak condition.

If battery has been pulsing and charging for 24 hours continuously without achieving 100% state of charge, unit discontinues charging. Red "Bad Battery" light illuminates indicating that the battery is non-rechargeable.





## PULSE TECHNOLOGY

PulseTech's patented Pulse Technology eliminates sulfation buildup on battery plates. It keeps them clean so batteries recharge faster and last longer. The revolutionary Xtreme Charge™ enables batteries to accept, store and release full power once charged.

## SPECIFICATIONS

Xtreme Charge™ includes charger with fuse-protected quick-disconnect battery clamps and lugs, Important Safety Instructions and Quick-Start Guide.

**Input Voltage:** 90-250 V ac  
**Max Charge Current:** 2.5 A  
**Pulse Frequency:** 22-28 kHz  
**Main Battery Cable Length:** 6'  
**Lug/Clamp Cable Length:** 2'

## FIVE-YEAR LIMITED WARRANTY

PULSETECH PRODUCTS CORPORATION  
XTREME CHARGE™ BATTERY MAINTENANCE CHARGER

**What Does This Warranty Cover?** This warranty covers any defects in workmanship or materials in this charger under normal use and service.

**How Long Does The Coverage Last?** This warranty runs for five (5) year from the date of purchase.

**What Will PulseTech Do?** PulseTech will, at its option, replace or repair any defective unit with a new or rebuilt unit at no charge.

**What Does This Warranty Not Cover?** This warranty applies only to the battery charger. This warranty does not cover any other equipment, static damage, water damage, over-voltage damage, dropping unit, or damage resulting from extraneous causes including owner misuse. In addition, PulseTech will not be responsible under this warranty if PulseTech determines that (1) upon examination that the circuit board failure was (A) caused by misuse, neglect, accident, alteration, or abnormal condition of operating or handling (including the failure to install the product in accordance with PulseTech's instructions and observe the warnings on the product and the instruction manual), or other conditions beyond the control of PulseTech or (B) damaged in transit to PulseTech, and (2) the owner is not the original purchaser that purchased the product through an authorized PulseTech dealer or distributor. This warranty is void if owner attempts to disassemble the unit or to modify the cable assemblies. IN NO EVENT SHALL PULSETECH BE LIABLE FOR ANY DIRECT, SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL, PUNITIVE OR EXEMPLARY DAMAGES, EXPENSES, LOST SAVINGS OR LOST PROFITS OR ANY OTHER DAMAGES OF ANY KIND FROM ANY BREACH OF THIS WARRANTY OR OTHERWISE. Some states, provinces or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

**How To Get Service?** Contact PulseTech by calling 1-800-580-7554 for a Return Authorization Number. Then send the product postage prepaid with proof of purchase (sales receipt) within the warranty period to PulseTech. Battery chargers beyond the warranty period are subject to the repair charges in effect at that time.

**How Does State, Province or Country Law Apply?** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province or country to country.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

## FEATURES



- Pulse** Patented Pulse Technology increases the duty and life cycle of all 12 V batteries — **up to three to five times longer in most instances**
- Desulfate** Patented Pulse Technology reduces the size of lead sulfate crystals greatly so new batteries stay new while older batteries typically improve dramatically
- Test** Interrogates battery continually to apply proper charge voltage and pulse amperage while preventing over/under charging
- Test** Performs start-up tests to impose optimal amperage correctly as well as identify bad batteries quickly
- Charge** Next-generation smart chip allows quicker and safer charge acceptance on any type 12 V lead acid battery (AGM, gel, maintenance-free or flooded).
- Charge** Maximum 2.5 A (5 A effective) charge rate at over 14.8 V ensures peak battery finishing voltage **on all types of 12 V batteries.**

 PulseTech  
Products Corporation

Model XC100-M  
Five-Year Limited Warranty



12-Volt Battery Maintenance Charger

**FEATURE GUIDE**