

GUEST®

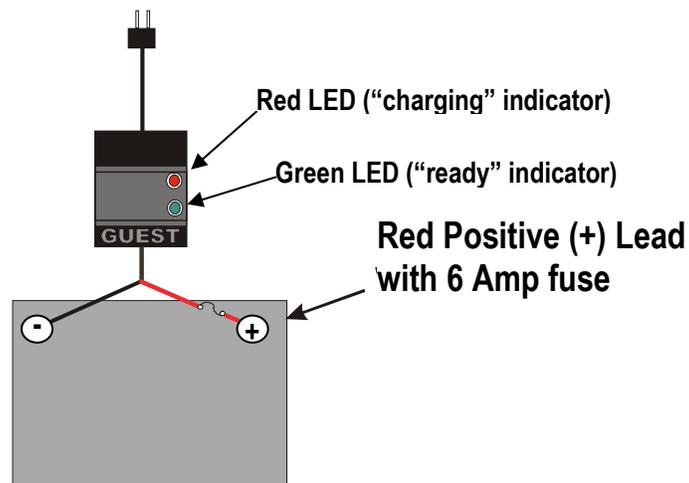


2603 Battery Pal

3 AMP, 12 VOLT
BATTERY CHARGER

Connections at a glance:

The GUEST Battery Pal 2603 is designed to recharge your battery, and extend your battery's life in applications where it is stored for long periods of time. This sophisticated device is ideal for recharging and maintaining the 12-volt battery in your boat, car, garden tractor, ATV, snowmobile or motorcycle.



SAVE THESE INSTRUCTIONS

1. INTRODUCING THE CHARGER

The 2603 battery charger is a “2 stage” charger, and is superior to traditional automotive chargers. Its precisely regulated output recharges your battery safely and quickly. After it has recharged your battery, it supplies just enough current to compensate for the charge that a battery can lose during storage. Unlike automotive trickle chargers, the 2603 will not boil off the electrolytes in properly installed and maintained batteries. The red and green LED’s, mounted on the charger face, let you know the unit is recharging and maintaining your batteries.

2. IMPORTANT SAFETY INSTRUCTIONS

This manual contains important safety and operating instructions for the charger. Read the entire manual before using. Also read all instructions and cautions for and on the charger and batteries.

WARNINGS

RISK OF EXPLOSIVE GASES! WORKING IN THE VICINITY OF LEAD ACID BATTERIES IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. THEREFORE IT IS OF UTMOST IMPORTANCE THAT EACH TIME BEFORE USING YOUR CHARGER YOU AND FOLLOW THE INSTRUCTIONS EXACTLY.

Personal Safety Precautions

Adhere to the following personal safety precautions when installing or working with the chargers:

1. Someone should be within voice range or close enough to come to your aid when you work near a lead-acid battery.
2. Have plenty of fresh water and soap nearby in case battery acid contacts your skin, clothing, or eyes.
3. Wear complete eye protection and clothing protection. Avoid touching your eyes while working near a battery.
4. If battery acid contacts your skin or clothing, wash them immediately with soap and water. If acid enters your eye, flood the eye with cold, running water for at least ten minutes and get medical attention immediately.
5. Never smoke or allow an open flame in the vicinity of the battery.

6. Do not drop a metal tool onto the battery. It may spark, short circuit the battery and may cause an explosion.
7. Remove all personal metal items such as rings, bracelets, necklaces, and watches when working near a lead-acid battery. A battery can produce short circuit currents high enough to weld a ring or the like to metal, causing a severe burn.

3. INSTALLING THE CHARGER

CAUTION !

Before beginning this installation –

- If necessary to remove battery from vehicle to charge, always remove grounded terminal from the battery first. Make sure all accessories in the vehicle are off, so as not to cause an arc.
- Be sure the area around the battery is well ventilated while the battery is being charged. Gas can be forcefully blown away by using a piece of cardboard or other nonmetallic material as a fan.
- Clean battery terminals. Be careful to keep corrosion from coming in contact with your eyes.
- Add distilled water in each cell until the battery acid reaches levels specified by the battery manufacturer, if applicable. Do not overfill. For all batteries, carefully follow the manufacturer's recharging instructions.
- Study all battery manufacturer's specific precautions such as removing or not removing cell caps while charging.
- Please be sure the DC system to which the charger is connected is not drawing excessive current from the battery for extended periods of time while the charger is operating. This is important to ensure the charger correctly transitions through each charging stage to finish with the float voltage level. If the DC system is drawing continuous current while charging, reduced life or damage to the battery may occur.

Choosing Mounting Location

1. Never place your charger above the battery being charged; gases from the battery will corrode and damage the charger.
2. Never allow battery acid to drip on your charger when reading gravity or filling the battery.

3. Provide as much ventilation as possible for the charger and battery.
4. Do not set a battery on top of the charger.

DC connection precautions

Connect and disconnect DC output clips only after setting any charger switches to off position and removing the AC cord from the electric outlet. Never allow the clips to touch each other.

Making DC Connections

Attach the clips to your battery posts and twist or rock them back and forth several times to make a good connection. This tends to keep the clips from slipping off the terminals and helps to reduce the risk of sparking.

4. OPERATING THE CHARGER

Proper Operation

After making the wiring connections according to these instructions, examine the LED lights on the charger.

When the red LED is on, this means that the 12 volt battery is deeply discharged, and is being recharged by the 2603. If the charger is connected to an unusually large or a deeply discharged battery, the 2603 may require considerable time to bring the batteries to full charge.

When the green LED turns on, your battery is already at or near full charge, and the charger is now maintaining the battery. If the green LED gradually fades on and off, this is an indication of an unusually efficient battery. This battery is receiving a very small maintenance charge from the 2603. If the green LED flashes after the battery has been recharged, this means that your battery requires a lower maintenance charge than normal. Leave the 2603 connected and it will function normally. Now you can store your batteries at full charge indefinitely without overcharging, when batteries are properly maintained.

Overload Protection

If the 2603 encounters a DC overload (excessive demand) it will reduce its output voltage to a safe level to prevent damage. If its positive and negative connectors are touched together creating a short, it will instantly reduce its output voltage to nearly zero, and both the red and green LED lights will turn off. When the overload is removed, the 2603 automatically resumes normal operation.

If the in-line 6 amp fuse blows due to improper connection to a battery, replace the fuse with an identical 6-amp fast-blow fuse only. Never replace a blown fuse with a higher value fuse.

The 2603 is completely waterproof, however the AC plug and DC clip-on connections should be kept dry.

5. MAINTAINING THE CHARGER

Periodically clean both battery terminals with baking soda and tighten all connections. No other maintenance on the charger is required.

6. TROUBLESHOOTING

Problem	Cause	Solution
1. Charger does not seem to be charging batteries properly.	1. Batteries too large for the charger to support or too many batteries attached to charger. 2. Red LED is off due to a DC overload or a DC short. 3. One or more defective batteries. 4. Component failure.	1. Install a higher Amperage battery Charger or a second Charger. 2. Remove source of overload or short and perform the reset procedure as described under "Operation". 3. Test batteries and replace if necessary. 4. Check battery manufacturer's charging specifications. 5. Return charger to Guest Service department.
2. Static on TV or radio whenever the charger is turned on.	1. Certain TV's and Radios are Unusually sensitive To RF interference. 2. Charger is mounted within 3 feet of TV or radio.	1. Increase the distance between the charger and the TV or radio. 2. Connect TV or radio to an AC circuit other than the AC circuit used by the charger.

<p>3. The GFCI breaker, (Ground Fault Circuit Interrupter), turns off whenever the charger is turned on.</p>	<p>1. There is a problem with the AC connections or dockside power system.</p> <p>2. Certain brands of GFCI breakers are sensitive to “switching” power supplies</p>	<p>1. Confirm that the Charger’s AC Ground Connections are Intact then test Dockside power.</p> <p>2. Contact Guest Service for info.</p>
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8. SPECIFICATIONS

Output:	
Charging:	12 Volts DC (min.) @ 3 Amps
Maintaining:	25 to 60 milliamps @ 13.5 VDC+/- 0.2
Input:	
Rated AC Voltage 2603	100 - 130 volts/ 60 Hz AC
Current Draw @115 volts	3 Amps at full output
Maximum recommended battery size:	
For recharging:	Up to 250 Amp-Hours
Maintenance only:	Up to 500 Amp-Hours
Physical Dimensions:	
Height:	3 in.
Width:	3 ½ in.
Depth:	3 3/8 in.

LIMITED WARRANTY

For two (2) year from the date of purchase, The Guest Co., Inc. will, at its discretion, repair or replace for the original consumer, free of charge, any parts found defective in material or workmanship.

Proof of purchase is required: A computerized register receipt is required. Hand-written receipts are not accepted for warranty proof of purchase.

There is no other expressed warranty. Implied warranties, including those of merchantability and or fitness for a particular purpose, are limited to two years from the date of purchase. This is the exclusive remedy and consequential damages are excluded where permitted by law.

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