The GEN series is 100% waterproof and designed to withstand hours underwater. On-board chargers built for extreme conditions.

FORCE MODE.
For extremely dead batteries lower than 1 volt, manually turn on force mode to detect and charge batteries all the way down to zero volts.

ZERO OVERCHARGE.
Safely charge any battery year-round. Charge continuously without user intervention and with zero risk of overcharging your battery.

MULTI-CHEMISTRY. MULTI-TYPE.
Charge flooded, gel, maintenance-free, AGM, and lithium batteries. For use with starter, deep-cycle, marine batteries, and more.
**CHARGING MODES**

- **12V**
  - Used for 12V AGM or maintenance-free batteries.

- **AGM**
  - Used for 12V AGM or maintenance-free batteries.

- **LITHIUM**
  - Used for 12V lithium-ion batteries (including lithium iron phosphate). Only for batteries with Battery Management Systems (BMS).

**FORCE MODE**

- Used to charge batteries below 1V. All charge mode LED's will flash and the selected mode will illuminate. Management Systems (BMS).

**ADVANCED DIAGNOSTICS**

- **STANDBY**
  - The charger is in standby or the battery voltage is too low for the charger to detect.

- **BAD BATTERY**
  - There is a possible battery short or the battery will not hold a charge. Consult a professional.

- **HIGH VOLTAGE**
  - The battery voltage is too high for the selected charge mode. Check the battery and charge mode.

- **REVERSE POLARITY**
  - Charger is connected to the battery in reverse. Reverse the connections.

**TECHNICAL SPECIFICATIONS**

- **INPUT/WORKING VOLTAGE AC:**
  - 120-240 VAC, 50-60Hz

- **LOW-VOLTAGE DETECTION:**
  - 1V (12V)

- **BACK CURRENT DRAIN:**
  - <0.5mA

- **AMBIENT TEMPERATURE:**
  - -20°C to +50°C

- **HOUSING PROTECTION:**
  - IP68

- **COOLING:**
  - Natural Convection

**CHARGING TIMES**

<table>
<thead>
<tr>
<th>Battery Size</th>
<th>GEN5X1</th>
<th>GEN5X2</th>
<th>GEN5X3</th>
</tr>
</thead>
<tbody>
<tr>
<td>20Ah</td>
<td>3hr</td>
<td>6hr</td>
<td>12hr</td>
</tr>
<tr>
<td>40Ah</td>
<td></td>
<td></td>
<td>15hr</td>
</tr>
<tr>
<td>80Ah</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100Ah</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120Ah</td>
<td></td>
<td></td>
<td>18hr</td>
</tr>
</tbody>
</table>

*Approximate charging times at 50% depth of discharge.

**TECHNICAL SPECS**

- **VOLUMETRICS:**
  - **Retail Packaging:**
    - Dimensions: 7.22" x 5.16" x 6.16"
    - Weight: 1.85lbs
    - UPC: 0-46221-19044-4
  - **Inner Carton:**
    - Dimensions: 7.24" x 5.23" x 5.559"
    - Weight: 2.95lbs
  - **Master Carton:**
    - Dimensions: 11.77" x 8.01" x 11.55"
    - Weight: 7.4lbs
    - Quantity: 4
    - UCC: 10046221190448
  - **Units Per Pallet:**
    - 100 Units

- **Decrease:**
  - Dimensions: 4.6 x 2.9 x 1.9in
  - Weight: 1.85 lbs

- **Increase:**
  - Dimensions: 7.1 x 5.7 x 2.2in (180 x 145 x 56mm)
  - Weight: 5.76 lbs (2.61 kg)

**THERMAL COMPENSATION.**

- The new integrated thermal sensor automatically monitors and adjusts the charging cycle based on fluctuations of ambient temperature. Avoids under-charging in cold weather down to -4°F and avoids over-charging in hot weather up to 104°F.

**CURRENT PER BANK:**

- **OUTPUT POWER:**
  - 72W

- **CHARGING BANKS:**
  - 1

- **DIMENSIONS:**
  - 6.4 x 4.7 x 2.1in (163 x 119 x 53mm)
  - Weight: 4.17 lbs (1.89 kg)

- **CHARGING TIMES:**
  - 220W

- **FORCE MODE:**
  - Used to charge batteries below 1V. All charge mode LED’s will flash and the selected mode will illuminate. Management Systems (BMS).