

BATTERY WON'T CHARGE

Troubleshooting

Follow the troubleshooting steps in this guide if your trailer is equipped with a 12V house battery and it is not taking or holding a charge.

Reference Documents:

- [Motorsports Electrical Schematic](#)
- [Fiber Optic Splicing Trailer Electrical Schematic](#)
- [7-Way Plug Wiring Diagram](#)
- [Progressive Dynamics – Troubleshooting Converter](#)



Important Notes:

- The 12V house battery should always charge when connected to the tow vehicle as long as the auxiliary wire in the 7-Way Plug is providing 12V power (hot) from the tow vehicle. (See: 7-Way Plug Wiring Diagram)
- If equipped, the built in converter will always charge the house battery, regardless of the 12V Disconnect setting, when connected to 120V power through the shore cord or generator.

When your battery is not taking a 12V charge:

1. Make certain the breaker labeled “Converter” in the 120V breaker box is in the “on” position and that the 120V main breaker is also in the “on” position.
2. Locate the onboard converter, if equipped, which is most commonly built into the 120V breaker box. With the trailer plugged into 120V shore power or a running generator, there should be a green light that illuminates to show that the converter has power and is operating. If the light is not on, then the converter needs to be checked. (See: Progressive Dynamics -Troubleshooting Converter)
3. With the trailer plugged into 120V shore or a running generator, remove the cover from the battery box and use a multi-meter to test the voltage on the battery. With the converter on, the battery should be getting approximately 14V at the battery leads. If you are not getting 14V at the battery then the converter needs to be checked. (See: Progressive Dynamics -Troubleshooting Converter)
4. With the converter breaker switched off, check the water levels in the battery. If the levels are low please refer to the battery maintenance guide to determine maintenance or possible replacement.

For more information on how our trailers are wired please refer to the [Motorsports Electrical Schematic](#).

For warranty claims during the OEM Supplier warranty periods, please refer to the [Important Contact Numbers](#) section on our website for the appropriate OEM Warranty Claim Process.

For replacement parts outside of OEM Supplier warranty periods (most typically 1 year), please contact inTech Trailers for pricing, lead times and availability of parts.