

# Rugged Charger

## Refrigeration Battery Protection

Eco Energy, a world leader in solar electronics, introduces the rugged charger series. Our passion for finding intelligent battery charging solutions has led to the creation of the toughest high performance charge controllers in the world.

Their tough design guarantees long life, easy, foolproof installation and operation.



**The rugged 12V charger, keeps refrigeration unit batteries charged by taking a trickle charge from the trucks wiring harness and transferring it to the refrigeration unit, or to charge GPS trackers.**

This charger is designed to keep the batteries from draining down during periods of low run time, and to prevent batteries from freezing during the winter.

The control uses no power from the refrigeration unit, and turns on when the input power is applied.

The controls feature *automatic over-temperature shutdown, protection from over-current, and output (battery) reverse polarity, short circuit and over-voltage protection of the inputs and outputs.*

If the batteries are removed the charger limits the output voltage to prevent any damage to electronics on the output.

All of our controls use -40C parts. These higher quality parts ensure performance in the extreme temperature ranges encountered in the trucking industry.

**Eco Energy:** Since 1992, Eco Energy has been designing and manufacturing solar charge controllers, battery chargers, low voltage disconnects and battery voltage monitors. Eco Energy controls are currently used in power systems for remote homes and cottages, recreational vehicles, boats, telecommunication and navigational systems, natural gas pipeline operations and other solar battery charging applications around the world. Eco Energy is powered by solar power.

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### Intelligent Charging Solutions

As always, Eco Energy controllers are *solid state* (no annoying noise from relays) and *do not create radio interference*, and therefore will not interfere with ham radio, television, radio and cell phone operation. Eco Energy is so confident in the quality and durability of its controls that it continues to offer a *full 5-year warranty*. Your satisfaction is always guaranteed!



Photo Credit: Thermo King Corporation

#### Specifications:

Built in blocking diode.  
Constant Voltage Output  
12 Volt Systems or custom voltages.  
Input fuse 5 Amps

Current limited to 2 Amps maximum  
-40 C to +50 C, wall mountable.

2.5 x 3.75 x .6 inches, 210 grams  
\$64.35 per 100.

Sealed in a solid aluminium case.  
Made in Canada

Information Sheet Updated June 2008

Available From:

[SolarPanelStore.com](http://SolarPanelStore.com)