



# Low Cost IPN Compatible Charge Controller Display

## IPN-Remote

**Blue Sky Energy's IPN-Remote Display Provides Easy To Use Low Cost IPN™ Charge Controller Monitoring**

The IPN-Remote display provides basic monitoring for Blue Sky Energy's IPN compatible charge controllers. The unit displays battery voltage, output current and charge control system status for up to 8 charge controllers on a single IPN network.

A bright crisp low power LED display is used to provide excellent readability in any lighting. The Charge Status indicator displays present charge control system status, and shows relative battery state of charge.

The versatile IPN-Remote shows battery voltage as measured by the charge control system. When the battery is being charged the display toggles between battery voltage and charge controller output current. The current display can be configured to show the total output current from all controllers on the IPN network, or the output current from a particular controller. Multiple IPN-Remote displays can be placed on a single IPN network even if an IPN-ProRemote Display is already present.

### What Is The IPN Network ?

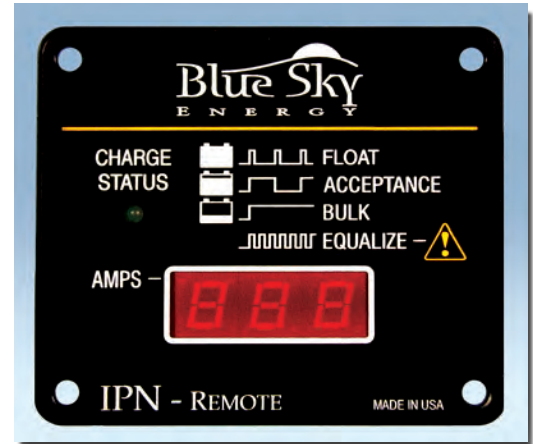
The Integrated Power Net™, or IPN network is a simple yet robust digital network which allows Blue Sky Energy's IPN compatible products to communicate with each other and work together. Without the IPN network multiple charge controllers charging a common battery would operate as separate machines, each with their own charge parameters, display, and so on. While IPN compatible charge controllers work quite well alone, when multiple IPN controllers are combined they no longer behave as separate machines. They work together and operate as a single machine. Up to 8 IPN compatible controllers can reside on a single network without special communication hardware. One controller is the master and the others are slaves. Charge parameters are set only in the master, and the slaves automatically take on these settings and work with the master to behave as a single charge control machine.



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Covered under one or more of the following US Patents  
6,111,391 • 6,204,645



- Displays Battery Voltage and Output Current For IPN Compatible Charge Controllers
- Low Power LED display Provides Excellent Readability
- Can Display Output Current of a Single Controller, Or Total Current Of All IPN Networked Controllers
- Conformal Coated To Resist Corrosion
- Full 12 Month Limited Warranty, Optional Extended Coverage Available

| SPECIFICATIONS                 |   |
|--------------------------------|---|
| Accuracy                       | Accuracy determined by IPN charge controller(s)   |
| Power Consumption              | 0.15W Typical   |
| Display                        | 3-Digit • 0.30" Low Power LED   |
| Panel Dimensions               | 2 1/2"H x 3"W x 1 1/8"D (6.3cm x 7.6cm x 2.8cm)   |
| Communication, Power & Cabling | Requires IPN network compatible Charge Controller. Receives communication and power from charge controller via standard 4-pin telephone cable. Charge Controller cable length to 1000' (305m) with proper cabling. Eight units maximum on an IPN network. |
| Environmental                  | -40 – +40°C, 10 – 90% RH non-condensing   |

As a part of our continuous improvement process specifications are subject to change without prior notice.