



The IPN-ProRemote combines full-featured charge controller monitoring and battery system monitoring into a single user-friendly remote display. A bright crisp backlit LCD display with plain English language text and three simple front panel keys is extremely easy-to-use.

With the IPN-ProRemote you no longer have to guess how much battery capacity remains. A high accuracy calculation of remaining battery capacity compensates for a variety of factors including charge/discharge current, battery size, type, temperature and how the battery was brought back to full charge. It even learns from past battery behavior to continuously improve accuracy!

The IPN-ProRemote also monitors and controls BlueSky Energy's IPN based charge controllers. It can monitor both the combined total and individual status of up to eight IPN charge controllers on a single IPN network. Depending on the particular charge controller model, certain additional parameters or settings can be accessed or modified with the IPN-ProRemote.

By combining an advanced battery system monitor and charge controller display into a single unit, the IPN-Pro Remote eliminates the need for a separate battery monitor. It also simplifies installation and eliminates the headaches of trying to setup and synchronize separate charge controller and battery monitor systems.

Product Features

- | Monitors up to 8 IPN network based charge controllers
- | Total input/output current
- | Individual controller input/output current, PV voltage and internal temperature
- | Resettable total output amp-hour counter
- | LVD status or auxiliary battery voltage for a separate battery monitor device
- | Equalize ON/OFF control and time remaining
- | Provides access to additional set up parameters, which vary by IPN charge controller model
- | Provides complete full featured battery monitoring
- | Battery voltage, net current and temperature
- | Remaining battery capacity shown as bargraph and percent
- | Amp-hours from full charge



- | Days since last full charge and last equalize
- | Captures minimum and maximum battery voltage
- | Lifetime battery discharge amp-hours
- | 2-line 16-character backlit display and plain English language text for ease of use
- | Conformal coated electronics to resist corrosion
- | Full 24 month limited warranty, optional extended coverage available



Technical data Blue Sky Energy IPN-ProRemote:

Current Shunt	Requires current shunt in battery negative line, 50 mV/500 A
Battery Ammeter	Range ± 773.3 A F.S.
Accuracy/Range	Accuracy ± 1.0 % F.S.
Other Meters	Accuracy/range of other voltmeters/ammeters determined by IPN charge controller
Battery Size	20-10,000 amp-hours
Power Consumption	0.25 W typical, 1.0 W typical with backlight on
Remaining Battery Capacity	0-100 % in 1 % increments, based on charge/discharge amp-hour counting, self discharge rate and self tuning charge efficiency. Appropriate factors temperature compensated ¹ .
Amp-hours from Full	0-16,383 amp-hours
Full Charge Determination	Automatically matched to IPN charge controller setup
Total Charge Amp-hours	0-16,383 amp-hours, user resettable
Lifetime Battery Amp-hours	0-9,999,999 amp-hours
Days since Full Charge	0-255 days
Days since Equalize	0-255 days
Backlight	Can be set to ON, OFF or AUTO (on for 1 minute following key press)
Panel Dimensions	4½" H x 4½" W x 1½" D (11.4 x 11.4 x 3.8 cm), fits standard duplex wall mount box
Communication, Power and 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 500" (152.5 m) with proper cabling. Current shunt connection via twisted pair cable. Length to 300" (91.5 m) with proper cabling.
Environmental	-40 to +40 °C (-40 to +104 °F), 10-90 % RH non-condensing

¹ With optional battery temperature sensor

Available from: