

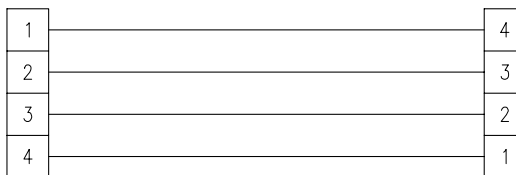
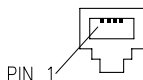
Network connection and power for the display are provided by the Solar Boost 3024i using the short telephone cable supplied. The cable should connect between the IPN Display connector on the Solar Boost 3024i main circuit board and the IPN Network connector on the display circuit board.



➤ Note that standard 4-pin telephone cables swap pin numbers end-to-end. This end-to-end pin swap is required for the display to operate properly. If cables are custom terminated or cable couplers are used, be certain the pin swap is maintained as shown below.

STANDARD 4-PIN TELEPHONE CABLE PIN SWAP

RJ-11 MODULAR PLUG
VIEWED FROM OPEN END
WHERE WIRE IS INSERTED



Troubleshooting Guide

SYMPTOM	PROBABLE CAUSE	ITEMS TO EXAMINE OR CORRECT
Completely dead, no display	No power	Charge controller not properly powered Cable faulty, not plugged in or cable pins do not swap
Display turns on, but battery voltage displays “--” rather than a number	Display not communicating with charge controller	Cable faulty One charge controller is not set to be Master, or more than one charge controller is set to be Master One or more charge controllers on network has open Bat – connection preventing communication
When charger turns on, output current displays “--” rather than a number	Output current display selection set for an address not present on the IPN network	Configure display IPN network address DIP switch to properly read output current of a charger present on the IPN network
When charger turns on, output current displays but the value seems incorrect	Output current display selection set for wrong IPN network address Bat– connected to PV– outside charge controller	Configure display IPN network address DIP switch to properly read output current of a charger present on the IPN network Some charge controllers require Bat– not be connected to PV– outside charge controller, see charge controller manual.
Voltage or current value seems to be stuck and does not change	Display or charge controller IPN network addressed changed Display lost communication link with charge controller	Configure display IPN network address DIP switch to properly read output current of a charger present on the IPN network Intermittent faulty display cable

Blue Sky Energy, Inc.
2598 Fortune Way, Suite K
Vista, CA, 92081, USA

800-493-7877 • 760-597-1642 • Fax 760-597-1731 • www.blueskyenergyinc.com