

A21, A22, A23 Solar Panel Quick Start Guide

This guide will help you get started. Detailed instructions are available in the NexSens iSIC manual.

Overview

NexSens Solar Power Kits are designed to keep the iSIC data logger battery charged for continuous operation. Kits are available in 10, 20 and 30-Watt configurations. All sizes are pre-wired with an internal charge regulator and an iSIC compatible MS2 connector.



What's Included

- 10, 20 or 30-Watt Solar Panel
- Integral charge regulator
- Adjustable Mounting Bracket
- (2) Hose Clamps, Max OD 2.75"
- 15' solar cable with MS2 connector



Mounting

The mounting bracket and hose clamps are used for fastening the kit to masts and pipes (1-13/16" to 2-3/4" diameter range). To maximize performance, solar panels should be oriented toward the southern hemisphere and the angle should be adjusted to approximately 45 degrees.

Installation

The charge regulator and cable come pre-installed on each kit. Plug the MS2 connector into the iSIC port to begin charging the iSIC battery.

Regulator Status Light Conditions



Green LED (blinks 3 times): Indicates proper installation and occurs only when power is first applied.

Green LED (Solid): Solar power is available and the battery is charging. A single blink every 5 seconds indicates the regulator is operational.

Green LED (fast blinking): The battery has charged to regulation voltage and the solar power is being limited to prevent over-charge.

No LED (off): No solar power is available and the regulator is in sleep mode until solar power becomes available. A single blink every 5 seconds indicates that the regulator is operational.

Red LED (blinking): The system has an installation error or operation fault. Check the cable for damage and also check the battery to see if the terminals are reversed. Disconnect and reconnect the cable to confirm the status light. If the LED is still red, contact NexSens Customer Support.

Red LED (Solid): The system has a critical fault. Disconnect the MS2 connector from the iSIC and contact NexSens Customer Support.

For more information see the online manual
www.nexsens.com/pdf/nexsens_isic_manual.pdf