

# Solar Power Package

## Quick Start Guide

Item # 3999

### Contents of Package

- Solar panel/charger/battery assembly (fig. 1)
- Plug adapter (fig. 3)
- Snap connector adapter (fig. 4)
- U-bolt

### Mounting the Solar Panel

The solar panel bracket attaches to a post or pipe using the U-bolt (fig. 2). The U-bolt can accommodate a post diameter of 1.37 inches (3.5 cm) or less.

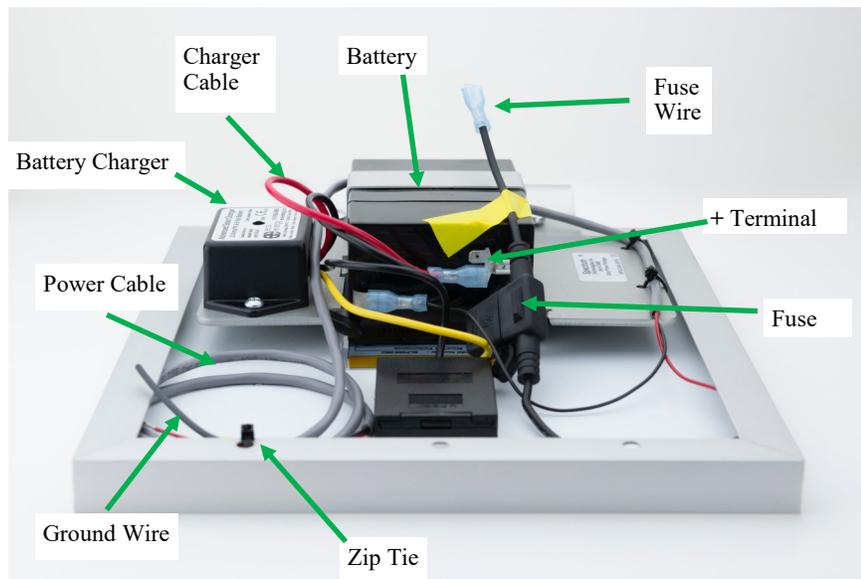


Figure 1:  
Main assembly

### Specifications

<b>Voltage Range</b>	5.25 V to 6.75 V
<b>Capacity</b>	5W solar panel with rechargeable battery pack, (6V, 4.5 Ah)
<b>Operating Temperature</b>	-4 to 122 °F (-20 to 50 °C)
<b>Dimensions (Panel alone)</b>	10.6 x 8.7 x 0.7 inches 27.0 x 22.2 x 1.8 cm
<b>Dimensions (Panel plus battery and bracket)</b>	10.6 x 10.6 x 2.1 inches 27.0 x 27.0 x 5.3 cm
<b>Weight</b>	3.8 lbs (1.72 kg)
<b>Fuse</b>	Automotive Mini Blade Fuse, 3A, 32VDC, fast



Figure 2: Solar panel connected to post

## Connecting Solar Power Package to a WatchDog

DO NOT attach the charge cable to the battery's positive terminal until the WatchDog unit is completely connected. To avoid possible damage to the Solar Power Package, or your WatchDog device, the Solar Power Package is shipped with the charger cable disconnected from the positive terminal of the battery (fig. 1). The fuse connected to the WatchDog Power Cable protects the system if the red and black wires touch while connected to the battery.

1. On your WatchDog device, remove the cap from the gland through which the cable is to pass.
2. If you are connecting to a Sensor Pup that will also have a sensor cable passing through this gland, feed the sensor cable through the cap and then through the gland.
3. Clip the zip tie that attaches the power cable to the frame. Pull the protective heat shrink off the ground cable (fig.1).
4. Feed the red and black wires through the cap, then through the gland. If you have run a sensor cable through the gland, the power cable wires can be squeezed around it.
5. Attach the wires to the desired adapter by pressing down the lever, inserting the bare wire, and releasing the lever.

Plug Connector (fig. 3): Used only with a Retriever or DataScout Modem.

Snap Connector (fig. 4): Used with a Pup, Retriever, or DataScout Modem.

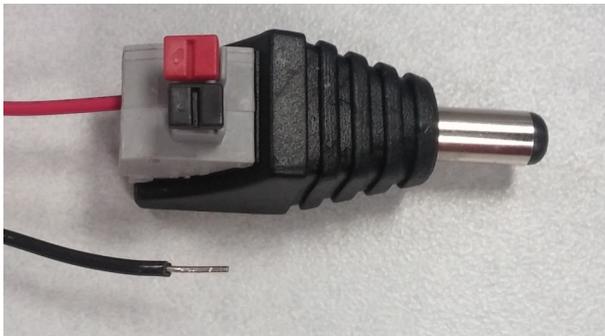


Figure 3: Plug connector

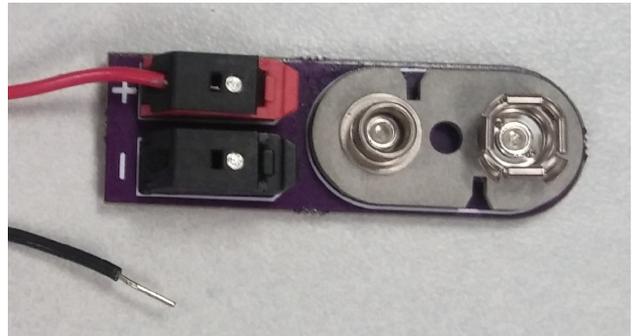


Figure 4: Snap connector

6. Attach the snap connector to the battery pack or insert the plug connector into the Power socket.
7. **Apply power by connecting the loose fuse wire fuse to the positive (open) battery terminal (fig. 5).**

Dielectric grease on the connector protects it from corrosion and should not be wiped off. When replacing the battery, it is recommended to apply grease to the terminals

Note: When disconnecting the Solar Power Package from your WatchDog device, follow the above steps in reverse order.



Figure 5: Charger cable connected to battery

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