Installation Instructions

October 2026

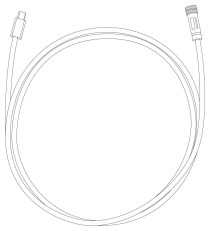
AxON Solar Systems

Description

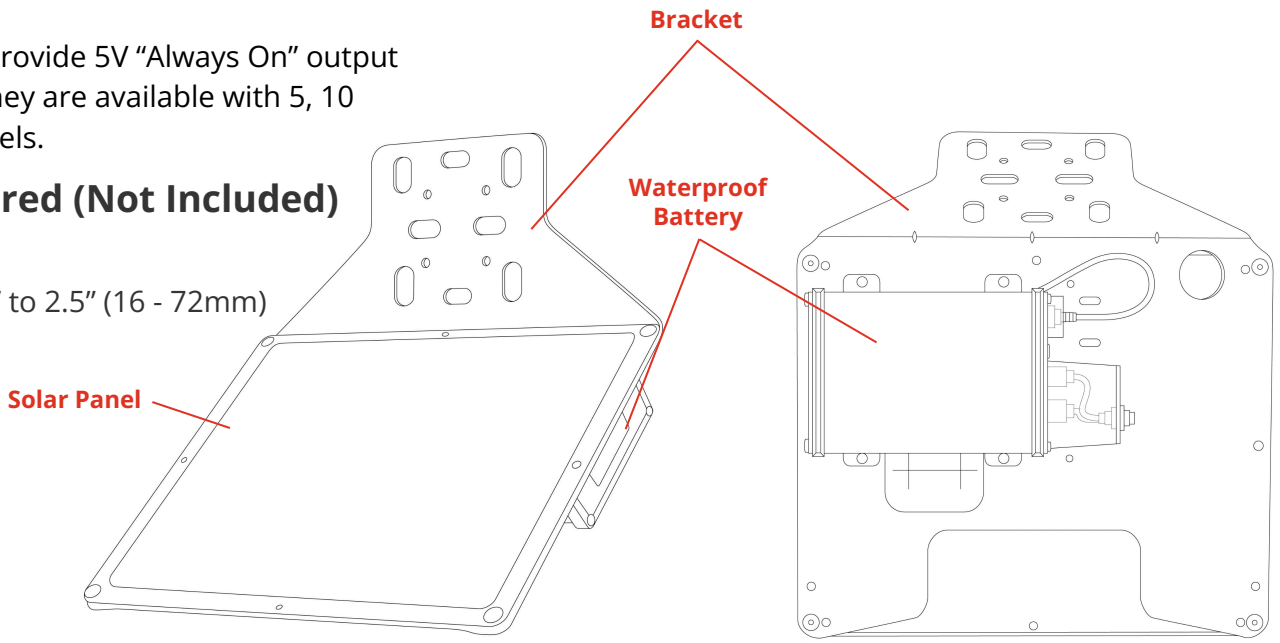
AxON Solar Systems provide 5V “Always On” output to outdoor devices. They are available with 5, 10 and 20 Watt solar panels.

Hardware Required (Not Included)

- 2X Band Clamps
- or 2X U-Bolts 0.75” to 2.5” (16 - 72mm)
- Zip ties



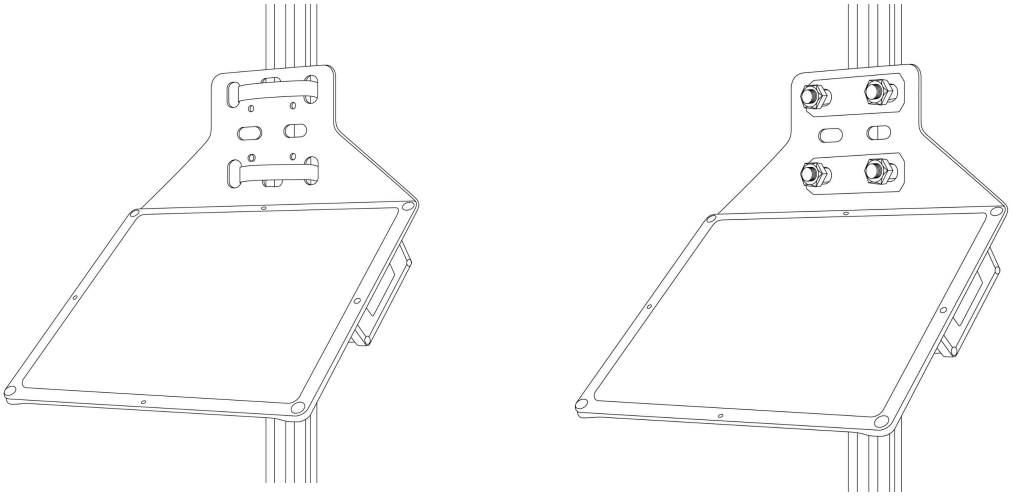
M8 Power Cable:
USB-C or Bare Leads



SKU	Panel Power (W)	Battery Capacity (Wh / mAh)
K-P105-V50	5	48 / 13,400
K-P110-V75	10	72 / 20,100
K-P120-V75	20	72 / 20,100

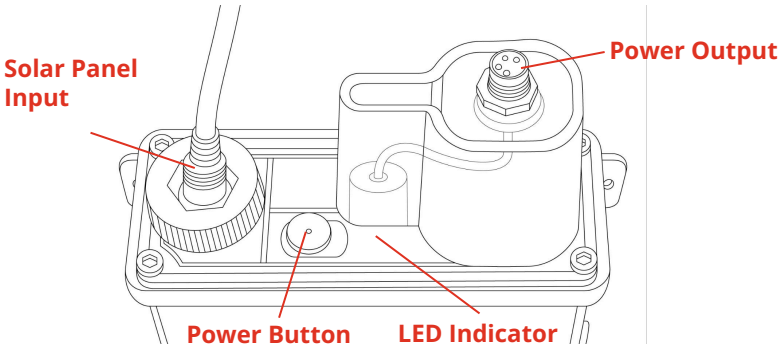
We suggest testing connection to end device prior to mounting the system.

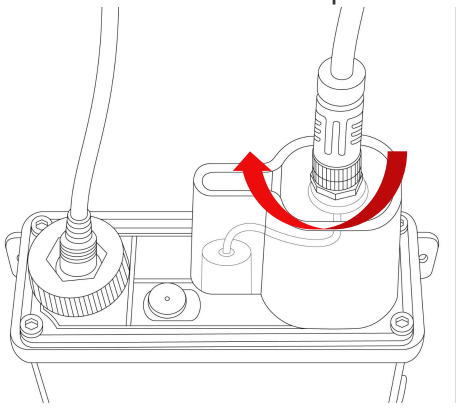
Step 1 - Install solar panel system on pole with U-Bolts or Band Clamps. Solar panel should face south in Northern Hemisphere and away from any objects that might shade the solar panel like trees or buildings. If shaded for a meaningful part of the day, the system will not work well.



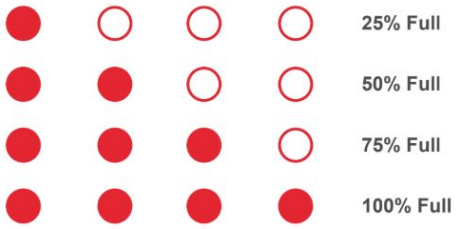
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Step 2 - Connect Power Output Cable - Align pins of M8 Power Cable and Power Output. Press together and twist M8 Power Cable tight.





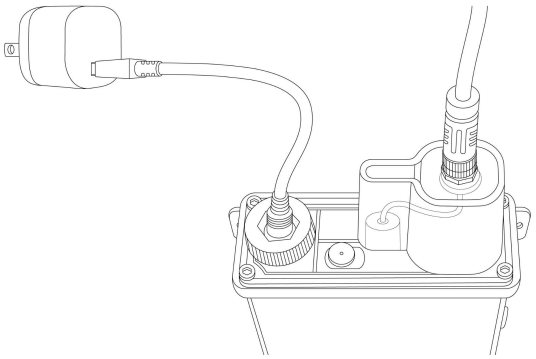
Step 3 - Turn Battery On and Connect to Your Device - Press Power Button until LED indicator lights turn on (a double tap turns them off if putting the battery into storage). When connected to your device, you should see the device turn on. Battery LEDs will blink when charging and indicate charge progress.



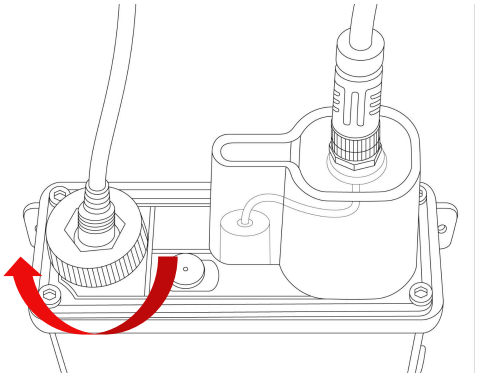
Step 4 - Organize and Neaten Cables - Use zip ties to organize and tighten all cables. Cables should be secure in high winds.

Optional - Charge Battery from Wall Adapter

Loosen gland and remove solar panel from battery. Attach W179 (voltaicsystems.com/w179) to USB charger and solar panel input.



Replace solar panel cable firmly into solar panel input. Tighten gland to restore waterproof connection.



Optional - Monitor Battery Voltage - Analog battery voltage is available on the SBU pins if you are using the USBC cable and on the A (White) / B (Yellow) cables if you are using the cable with bare leads.

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