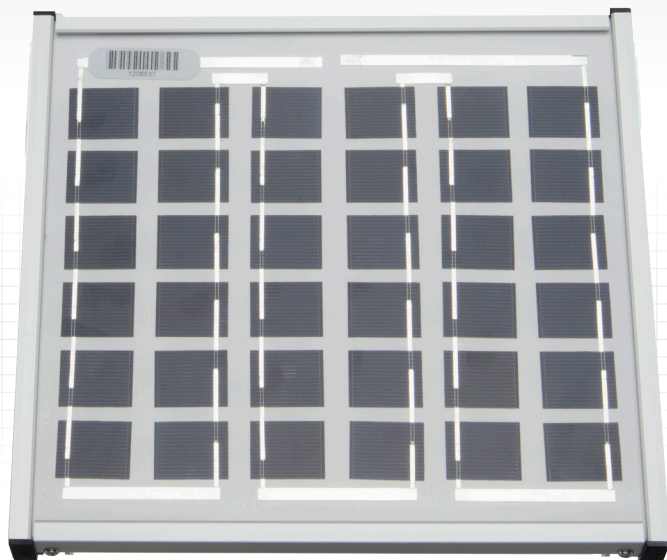




SP5-L, SP5, and 32788

5 W Solar Panels



Powers Remote Systems

Useful at sites away from ac sources

Overview

Campbell Scientific's 5 W solar panels are photovoltaic power sources capable of recharging batteries. They are suitable for use with our CRVW3, CR300-series, CR200(X)-series, or other dataloggers,

provided that the system's power recharge requirements are low enough. Sites also must have good exposure to sunlight. These solar panels capture solar energy using a 464 cm² (72 in²) surface area.

Models/Mounting Hardware

The SP5-L cable has a user-specified length; it terminates in pigtailed that attach to the datalogger's terminals or a standard power supply. The SP5 cable has a 0.9 m (3 ft) length; it terminates in a connector that attaches to the ENC200 enclosure.

The SP5 and SP5-L have the same mounting hardware, which consists of one 17492 U-bolt and matching nuts. The U-bolt has a 5.398 cm (2.125 in) space between the U-bolt legs. This hardware allows the

solar panel to be mounted to a 0.75 to 1.5 inch IPS pipe [25.4 to 50.8 cm (1 to 2 inch) OD].

The 32788 includes the same solar panel as the SP5/SP5-L, but has an adjustable bracket that is installed by Campbell Scientific to the lid of an ENC8/10 enclosure (ordered separately). The solar panel cable has a 2.5 ft length, terminates in pigtailed, and is routed through a cable-entry seal that is installed in the enclosure lid.

Specifications*

- › Maximum Power: 4.5 W
- › Voltage at Peak: 16.5 V
- › Current at Peak: 0.27 A
- › Dimensions: 25.1 x 26.9 x 2.3 cm (9.9 x 10.6 x 0.9 in)
- › Weight: 0.8 kg (1.7 lb)
- › Cable Description: 20 AWG, 1-twisted pair

*Solar panel characteristics assume 1 kW m⁻² illumination and 25°C solar panel temperature. Individual panels may vary up to 10%. The output panel voltage increases as the panel temperature decreases.



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