



Overview

The SP10R is a 10-W photovoltaic power source capable of recharging batteries. It has an on-board voltage regulator. The user-defined-length cable has stripped and tinned leads that connect directly to a user-supplied deep-cycle battery.

The SP10R is a sufficient charging source for many of our system configurations in tropical to temperate latitudes. It allows unattended operation of systems in remote locations, far from AC electrical sources.

Benefits and Features

- › Supplies electrical power in locations where ac power is unreliable, expensive, or not available
- › On-board voltage regulator allows direct connection to a user-supplied external battery

Detailed Description

The SP10R includes mounting hardware consisting of the #17492 U-bolt and Matching Nuts. The #17492 U-bolt provides a 2.125" (5.398 cm) space between the U-bolt legs. This

hardware allows the solar panel to be mounted to a 0.75" to 1.5" IPS pipe (1" to 2" OD).

Specifications

-NOTE-

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.

- Maximum Allowable Wind Gust Speed
- › 58 m s⁻¹ (130 mph) Standard mount
 - › 58 m s⁻¹ (130 mph) Extended mount
 - › *Note: The wind ratings are for solar panels with the indicated mounts and do not account for strength of tower or tripod.*

Cable Description	20 AWG, 1-twisted pair
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Maximum Peak Power	10 W
Current at Peak	0.59 A
Voltage at Peak	16.8 V
Current Drain	2 mA (continuous)

On-board Regulator Included	Yes
Dimensions	41.9 x 26.9 x 2.3 cm (16.5 x 10.6 x 0.9 in.)
Weight	3.0 kg (6.6 lb)

For comprehensive details, visit: www.campbellsci.com/sp10r 



Campbell Scientific, Inc. | 815 W 1800 N | Logan, UT 84321-1784 | (435) 227-9120 | www.campbellsci.com
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