

# Solar Panels



## Features

- ▶ Include mounting hardware allowing a great variety of attachment methods and of mounting surfaces
- ▶ Mountable on a horizontal or vertical surface, on surfaces at angles between horizontal and vertical, and on metal or wooden poles
- ▶ Attachment methods include bolts, lag bolts, U-bolt brackets, and stainless steel hose clamps.



## SPECIFICATIONS

Parameters	10 Watt Panel	20 Watt Panel	53 Watt Panel	75 Watt Panel
Typical Peak Power	10 Watts	20 Watts	53 Watts	75 Watts
Voltage at Peak Power	17.1 VDC	17.1 VDC	17.2 VDC	17.3 VDC
Current at Peak Power	0.58 A	1.17 A	3.08 A	4.3 A
Minimum Peak Power	9 Watts	20 Watts	45 Watts	71.3 Watts
Short-Circuit Current	0.6 A	1.27 A	3.33 A	4.7 A
Open-Circuit Voltage	21.1 VDC	20.8 VDC	21.3 VDC	21.8 VDC
Wind Load	Exceeding 125 mph	Exceeding 125 mph	Exceeding 125 mph	Exceeding 125 mph
Impact Reliability	Surface withstands impact of one inch nail at terminal velocity (52 mph) without breakage	Surface withstands impact of one inch nail at terminal velocity (52 mph) without breakage	Surface withstands impact of one inch nail at terminal velocity (52 mph) without breakage	Surface withstands impact of one inch nail at terminal velocity (52 mph) without breakage
Dimensions				
Length	16.54 in. (42 cm.)	16.63 in. (42.24 cm.)	36.73 in. (93.3 cm.)	47.6 in. (120.9 cm.)
Height	10.59 in. (26.89 cm.)	19.75 in. (50.16 cm.)	19.72 in. (50 cm.)	21.14 in. (53.7 cm.)
Width	0.89 in. (2.26 cm.)	1.97 in. (5 cm.)	0.89 in. (2.26 cm.)	1.47 in. (3.73 cm.)
Weight	3.3 lbs. (1.5 kg.)	6.5 lbs. (2.95 kg.)	12 lbs. (5.5 kg.)	16.94 lbs. (7.7 kg.)

## ORDERING

5100-0412	Solar Panel, 2 Watt, with diode & 15 ft cable. Mounting panel separatel 2271-1087.
3911-1050	Solar Panel, 5 Watt. Uses mounting bracket 2271-1037.
5100-0400-1	Solar Panel, 10 Watt Unregulated with 10 ft. Cable
5100-0410-1	Solar Panel, 20 Watt Unregulated
5100-0410-2	Solar Panel, 30 Watt Unregulated, with mounting bracket
5100-0406 -50	Solar Panel, 53 Watt Unregulated, Order mount 2271-1049 & cable 6411-1017-3 separately.
5100-0406-75	Solar Panel, 75 Watt Unregulated
	*Other sizes available upon request
ACCESSORIES	
5100-0407	Solar Panel Regulator, 4 amp
5100-0408	Solar Panel Regulator, 8 amp
6411-1017-3	Cable Assy, Solar Panel, 18 ft. for 8200A/8210 (specify if extra lengths are required)
2271-1049	Solar panel mount for 5100-0406
2271-2036	Mounting Bracket for 10-Watt Panel
2271-1037	Mounting Bracket for 5-Watt Panel