

Industrial Solar Electric Modules: 90 Watts – 150 Watts / 12 Volts

High performance solar modules for industrial applications

SunWize SP solar modules deliver top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, communications, and general battery charging.



SunWize S150P-C0 / S140P-C4 / S110P-D4 / S90P-E4 (photo left-right)

QUALITY and RELIABILITY

- Laminated, high-efficiency polycrystalline solar cells ensure long life
- Impact resistant, low-iron glass surface allows maximum light transmission
- Weather resistant, high volume, junction box accepts up to five (5) 1/2" NPT conduit or cable fittings
- Two (2) bypass diodes protect against hot-spot damage during partial shading
- Heavy duty, 2-inch (50 mm) deep anodized aluminum frames adds strength and durability

WARRANTY

- 5 -Year Limited Warranty of materials and workmanship
- 20 -Year Limited Warranty of 80% minimum power output

CERTIFICATIONS

Conforms to US standards:

- UL 1703
- Nonincendive Electrical Equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [ANSI / ISA – 12.12.01–2011]

Certified to CAN/CSA standards:

- ULC/ORD-C-1703-01
- Nonincendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations [CSA C22.2 No. 213–2004]

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ELECTRICAL SPECIFICATIONS

Model	S150P-C0	S140P-C4	S110P-D4	S90P-E4
Rated Power (Watts)	150	140	110	90
Voc Open Circuit Voltage (Volts)	22.2	21	21	21
Isc Short Circuit Current (Amps)	8.5	8.5	6.7	5.6
Vmp Rated Voltage (Volts)	18.1	17.1	16.9	16.9
Imp Rated Current (Amps)	8.3	8.2	6.5	5.3
Max System Voltage (VDC)	600	600	600	600
Series Fuse Rating (Amps)	15	15	15	15

Standard Test Conditions (STC): 1000 W/m², 25°C, AM 1.5

ELECTRICAL / THERMAL PARAMETERS

Voltage Temperature coefficient (Voc)	-0.35%/C (+ / - 0.05)
Current Temperature coefficient (Isc)	0.065%/C (+ / - 0.015)
Power Temperature coefficient (Pmax)	-0.5%/C (+ / - 0.05)
Peak Power Tolerance	-5% / +10%

DIMENSIONS and WEIGHTS

Module Size (inches)	58.38 x 26.06	58.38 x 26.06	48.38 x 26.06	41.02 x 26.06
(mm)	(1483 x 662)	(1483 x 662)	(1229 x 662)	(1042 x 662)
Weight (lbs)	25.4	25.4	21.4	18.1

