

SunWize® SW-S55P Solar Module

High performance for industrial applications



The SunWize SW-S55P solar module

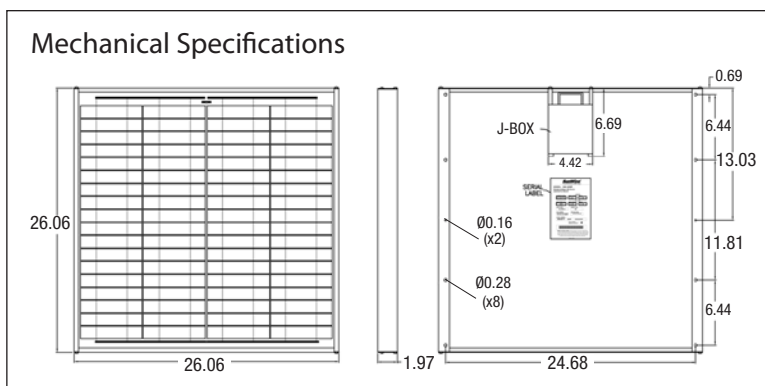
The SunWize SW-S55P solar module delivers top-quality performance for all photovoltaic applications including telemetry, communications, security, rural electrification, water pumping and general battery charging. The SW-S55P can be used in single-module and multiple-module installations. Each module consists of 72 solar cells connected in series providing sufficient voltage for battery charging under extreme high temperatures. The modules are manufactured according to the strict requirements of international and US quality standards. Warranty: 2 -Year Limited Warranty of materials and workmanship; 10 -Years Limited Warranty of 90% minimum power output.

Features include:

- The glass surface is impact resistant and allows maximum light transmission.
- Polycrystalline solar cells are encapsulated and bonded to the glass in multiple layers of ethylene vinyl acetate (EVA) and laminated with a white Tedlar™ backing insuring long life in severe environmental conditions.
- A weather resistant junction box accommodates all wiring methods including moisture-tight strain relief connectors and electrical conduit. Bypass diodes insure reliable operation.
- Anodized aluminum tubular frames add strength and durability. Frames come with predrilled mounting holes.

Model	Rated Power (Watts)	Rated Voltage (Vmp)	Rated Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
SW-S55P	55	17.4V	3.15 A	22.0V	3.3A

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



Electrical / Thermal Parameters

Max System Voltage	600Vdc
Series Fuse Rating	6 Amps
Voltage Temperature coefficient (Voc)	-0.35%/C
Current Temperature coefficient (Isc)	0.065%/C
Power Temperature coefficient (Pmax)	-0.5%/C
Peak Power Tolerance	+/-10%