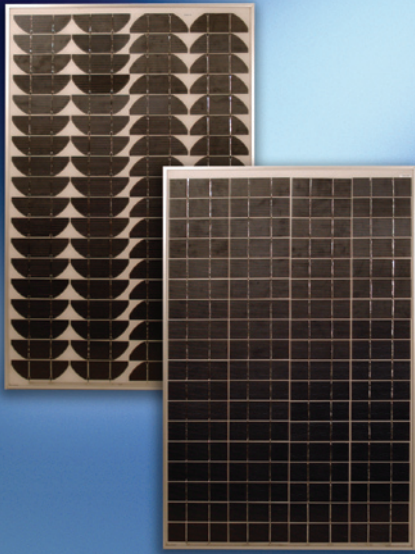


SunWize® SW50A/55A/60A Solar Module



SunWize SW50A/55A/60A Series shown with both solar cell configurations

SunWize SW50A/55A/60A solar modules deliver top-quality performance for all photovoltaic applications including rural electrification, water pumping, telemetry, communications, and general battery charging. SunWize modules can be used in single and multiple-module installations for charging nominal 12, 24 and 48 Volts DC battery banks. Each module consists of two strings of 36 solar cells connected in series providing maximum charging power.

FEATURES:

- Single crystalline 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.
- The glass surface is impact resistant and allows maximum light transmission.
- A weather resistant junction box accommodates all wiring methods including moisturetight strain relief connectors and electrical conduit.
- Pre-drilled mounting holes.
- Bypass diodes within the junction box insure reliable operation.
- Anodized aluminum tubular frames add strength and durability to the modules.
- SW modules are manufactured in accordance to ISO 9002 standards, comply with U.S. and international standards, and are factory tested to verify superior performance. SW modules are UL listed, FM approved and ISPR certified to IEC 61215.
- All SunWize modules carry a 25-year, 80% power output warranty.

| Model | Rated Power (Watts) | Rated Voltage (Vmp) | Rated Current (Imp) | Open Circuit Voltage (Voc) | Short Circuit Current (Isc) |
|-------|---------------------|---------------------|---------------------|----------------------------|-----------------------------|
| SW50A | 50 | 16.4V | 3.05A | 21.0V | 3.40A |
| SW55A | 55 | 16.7V | 3.30A | 21.0V | 3.65A |
| SW60A | 60 | 16.7V | 3.60A | 21.0V | 3.95A |

The operating temperature range is -40°C to +95°C in 100% relative humidity

| SunWize SW50A/55A/60A Solar Module | | |
|------------------------------------|---------|--------------|
| MECHANICAL DIMENSIONS | | |
| A | 892 mm | 35.11 inches |
| B | 574 mm | 22.59 inches |
| C₁ | 34 mm | 1.34 inches |
| C₂ | 52 mm | 2.05 inches |
| D | 449 mm | 17.68 inches |
| E | 542 mm | 21.34 inches |
| F | 860 mm | 33.86 inches |
| G | 320 mm | 12.60 inches |
| Weight: | 6.0 kg. | 13.22 lbs. |

