SunWize® 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-module and multiple-module installations and are ideal for high voltage grid-tied inverters. Each module consists 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 allows maximum light transmission and is impact resistant to hailstone forces up to 5 ft-lbs.
- A weather resistant junction box accommodates all wiring methods including moisture-tight strain relief connectors and electrical conduit.
- Pre-drilled mounting holes.
- Dual bypass diodes contained within the junction box insure reliable operation.
- Anodized aluminum tubular frames add strength and durability to the modules and are constructed to withstand constant wind speeds of 110 mph and gusts to 133 mph.
- SW modules are manufactured in accordance to ISO 9002 standards, ISPRA certified to IEC 61215, FM approved and UL/cUL listed.
- All SunWize modules carry a 25-year, 80% power output warranty.

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power (Watts)</th>
<th>Rated Voltage (Vmp)</th>
<th>Rated Current (Imp)</th>
<th>Open Circuit Voltage (Voc)</th>
<th>Short Circuit Current (Isc)</th>
<th>Dimensions (inches)</th>
<th>Unit Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW85</td>
<td>85</td>
<td>17.4</td>
<td>4.88</td>
<td>21.4</td>
<td>5.7</td>
<td>56.93 x 22.80</td>
<td>23</td>
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<td>17.4</td>
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<td>6.00</td>
<td>21.0</td>
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<tr>
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<td>16.7</td>
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<td>21.0</td>
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<tr>
<td>SW120</td>
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<td>16.7</td>
<td>7.18</td>
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<td>8.0</td>
<td>56.93 x 25.43</td>
<td>26</td>
</tr>
</tbody>
</table>

Vmp - maximum power voltage (volts) • Imp - maximum power current (amps) • Voc - open circuit voltage (volts) • Isc - short circuit current (amps)

Operating temperature range of SW modules is -40°C to +95°C in 100% relative humidity
Electrical Characteristics

IV Curves

Junction Box details

NOTE 1. JUNCTION BOX
SUPPLIED WITH OPENINGS
SUITABLE FOR 1/2" NPT
FITTINGS AND CLOSED WITH
REMOVABLE PLASTIC PLUGS

Mechanical Specifications