A high-efficiency solar shingle designed for integration with all asphalt shingle roofs.

**Features and Benefits**

- **Functional:** The Apollo II system functions as both a roof and a solar array
- **Beautiful:** Black on black construction and a slim profile provides a clean integrated aesthetic
- **Efficient:** Modules use 14 high-efficiency mono PERC solar cells
- **Strong:** Mechanical load rating of 250 lbs per square foot
- **Lightweight:** Weighs about as much as a typical asphalt shingle roof
- **Wind Resistant:** Florida Building Code High Velocity Hurricane Zone rated (Vult 194mph)
- **Water Shedding:** Built-in water management features
- **Easy to Install:** Open space under the modules and built-in wire clips allow for easy wire management and installation

**Each System Includes**

- 70 watt, high-efficiency monocrystalline modules
- Waterproof and fire-resistant underlayment
- Flashing accessories
- Starter strip and wind clips
- Home run wiring
- String inverter (Optional)
- Monitoring system (optional)

MADE IN USA

using foreign and domestic components

See reverse for product specifications
**Dimensions**

- Exposed Area: 46" x 13-3/4"
- Weight: 12 lbs (2.7 lbs per sq ft)
- Cell: Monocrystalline
- No. of cells and connections: 14 in series
- Bypass Diode: 1 per panel
- Load Rating: 250 lbs/sq ft
- Wiring: 12 AWG PV wire
- Connectors: Staubli MC4

**Electrical Characteristics**

Standard Test Conditions: 25 C, 1kW/m², AM 1.5

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<th>Parameter</th>
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<tbody>
<tr>
<td>Maximum Power (Pmax)</td>
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<tr>
<td>Maximum Power Voltage (Vmp)</td>
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<td>Maximum Power Current (Imp)</td>
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<td>Open Circuit Voltage (Voc)</td>
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<td>Short Circuit Current (Isc)</td>
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<tr>
<td>Maximum System Voltage</td>
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<td>Series Fuse Rating</td>
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<td>Performance Tolerance</td>
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<td>Conversion Efficiency</td>
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<td>Power Temp. Coefficient (Ptmp)</td>
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<td>Voltage Temp. Coefficient (Vtoc)</td>
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<td>Normal Operating Cell Temp. (NOCT)</td>
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<td>PTC Rating</td>
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**Absolute Maximum Ratings**

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<th>Parameters</th>
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<td>Operating Temperature</td>
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<tr>
<td>Storage Temperature</td>
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<tr>
<td>Dielectric Voltage Withstood</td>
<td>600 Max</td>
<td>V-DC</td>
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</table>

**Mechanical Characteristics**

- Exposed Area: 46" x 13-3/4"
- Weight: 12 lbs (2.7 lbs per sq ft)
- Cell: Monocrystalline
- No. of cells and connections: 14 in series
- Bypass Diode: 1 per panel
- Load Rating: 250 lbs/sq ft
- Wiring: 12 AWG PV wire
- Connectors: Staubli MC4

**Warranty and Certifications**

- Warranty*: 25 year limited power warranty
- 10 year 110 mph limited wind warranty

- Certifications:
  - UL 1703
  - UL 790 Class A & C Fire
  - ASTM D3161 Class F
  - California CEC
  - High Velocity Hurricane Zone
  - FBC HVHZ FL17670-R3 (194 mph Vult wind rating)

*See CertainTeed's limited warranty for details