

CertainTeed Solar

# APOLLO<sup>®</sup> TILE II – 70x SOLAR ROOFING SYSTEM



See reverse for  
product specifications



A high-efficiency solar tile designed for integration with most tile roofs.

## Features and Benefits

- **Functional:** The Apollo Tile II system functions as both a roof and a solar array
- **Beautiful:** An earth-toned custom frame combined with a profile that matches flat concrete tiles 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 significantly less than a tile roof eliminating the need for structural review or reinforcement
- **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
- **Aesthetic:** Brown (frame); black (cells) on black (backsheet) provides a greater aesthetic and visually blends with most concrete tile colors



## 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)

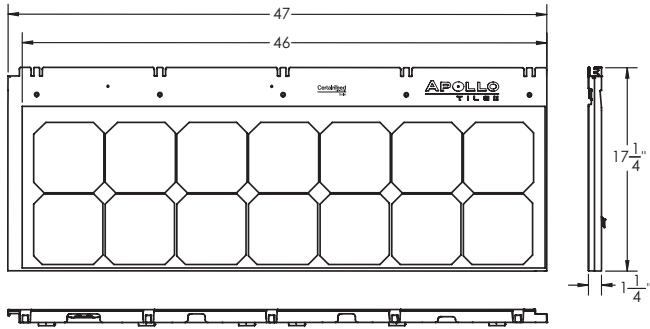


**MADE IN USA**

using foreign and domestic components

**CertainTeed**  
SAINT-GOBAIN

## Dimensions



## Electrical Characteristics

Standard Test Conditions: 25 C, 1kW/m<sup>2</sup>, AM 1.5

Maximum Power (Pmax)	70W
Maximum Power Voltage (Vmp)	7.8 V
Maximum Power Current (Imp)	9.0 A
Open Circuit Voltage (Voc)	9.6 V
Short Circuit Current (Isc)	9.4 A
Maximum System Voltage	600 V
Series Fuse Rating	15 A
Performance Tolerance	+/- 3%
Conversion Efficiency	17.8%
Power Temp. Coefficient (Ptmp)	-0.37%/°C
Voltage Temp. Coefficient (Vtoc)	-0.27%/°C
Normal Operating Cell Temp. (NOCT)	57.0°C
PTC Rating	61.0W

## Absolute Maximum Ratings

Parameters	Rating	Unit
Operating Temperature	-40 to +90	°C
Storage Temperature	-40 to +90	°C
Dielectric Voltage Withstood	600 Max	V-DC

## Mechanical Characteristics

Exposed Area	46" x 13.25"
Weight	13 lbs (3.1 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
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Certifications (Pending)	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)
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\*See CertainTeed's limited warranty for details



### CertainTeed Corporation

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