SUNTEGRA® TILE

Preferred Appearance

SunTegra® Tiles integrate directly with standard roof tiles, enabling them to blend in with the roof and provide a sleek appearance preferred by four out of five customers.

High Performance

Premium monocrystalline solar cells and unique TegraVent™ technology ensure best-in-class efficiency and energy performance.

Exceptional wind, snow and fire ratings ensure SunTegra® Tile will perform in a wide variety of environmental conditions.

Reliable and Safe

SunTegra® Tiles are based on proven solar cell and module technology and have passed both solar and roofing certifications.

Locking connectors, integrated wiring design, and welded Junction box connections ensure the highest degree of electrical safety.

Simple and Easy to Install

Lightweight design avoids the need for structural engineering and building permits. 50% fewer parts than a conventional rack-mounted solar system and installs in half the time.

Integrated wiring makes wire management a snap.
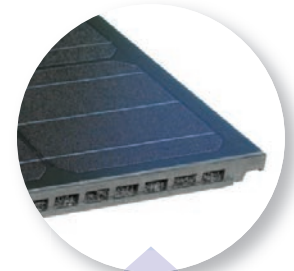
Patented TegraVent™ technology maximizes performance

SunTegra® offers homeowners, builders and installers an innovative way to integrate solar directly into the sloped roof of a home, commercial building or carport. SunTegra® Tile in-roof solar panels and accessories integrate directly with standard tile roofing systems, providing the perfect combination of aesthetics, performance and value.

DESIGNED, ENGINEERED AND ASSEMBLED IN THE ★ U S A ★

Intertek
4010797

California Energy Commission

SUNTEGRA®

www.suntegrasolar.com

ELECTRICAL PERFORMANCE

	STT 70	STT 67	STT 64
Peak Power (Wp)	70 W	67 W	64 W
Power Tolerance	+5/-3 %	+5/-3 %	+5/-3 %
Panel Efficiency*	15.1 %	14.5 %	13.9 %
Voltage at Peak Power (Vmp)	8.30 V	8.26 V	8.22 V
Current at Peak Power (Imp)	8.43 A	8.11 A	7.79 A
Open Circuit Voltage (Voc)	10.31 V	10.27 V	10.23 V
Short Circuit Current (Isc)	9.09 A	8.77 A	8.45 A
Maximum System Voltage	600 V	600 V	600 V
Series Fuse Rating	15 A	15 A	15 A

Temperature Coefficients		
Power (Wp)	-0.404	(%/C)
Voltage (Voc)	-0.291	(%/C)
Current (Isc)	+0.038	(%/C)
NOCT (+/-2C)	57	C

*exposure area

SAFETY AND PERFORMANCE CERTIFICATIONS

PV Certifications	UL 1703 (2013 Revision) CEC Listed
Roof System Certifications	Fire: UL 790, Class A Wind: UL 1897 (pending) Rain: TAS 100-95 (pending)
Building Certifications (pending)	ICC AC 365

TILE DIMENSIONS
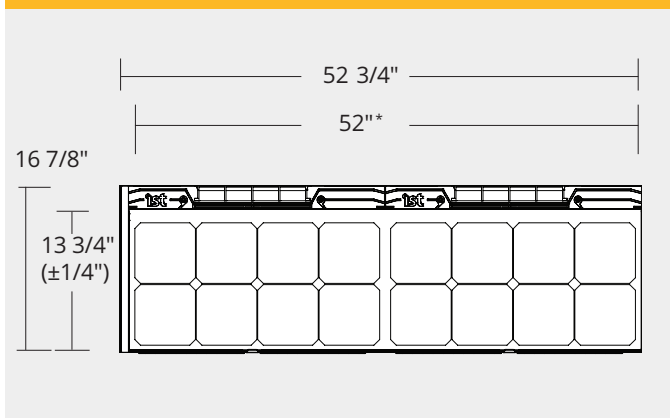
*Dimensions of exposed area once installed.

MECHANICAL CHARACTERISTICS

Dimensions - Outside Area	52 3/4" x 16 7/8" x 1 1/4"
Dimensions - Exposed Area	52" x 13 3/4" (±1/4")
Weight	15 lbs (300 lbs per square)
Cells	16 x High Efficiency monocrystalline
Front Glass	High transmission tempered glass
Junction Box	IP-65 rated with one diode per panel
Output Cables	6" 12 AWG cables with Amphenol H4 PV Connectors
IMS (Frame)	Advanced composite polymer with high UV stability

APPLICATION LIMITS

Module Operating Temperature	-40C to +90C
Max. Static Load Rating	112 lbs/ft2, 5400Pa
Max. Wind Rating	130 mph
Impact Resistance (Hail)	2" steel ball (1.18 lbs) dropped at 51"

WARRANTIES

Limited power warranty	25 year
Limited product warranty	10 year

YOUR AUTHORIZED DEALER

Please read the safety and installation instructions before using this product.
Visit **www.suntegrasolar.com** for more details.

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