

BENEFITS

Optimized Energy Output

Higher energy delivery due to 10 degree tilt and sunlight reflectors

Non-Penetrating

Modular solar tiles are easy to install without mechanical roof attachments

Deploys Rapidly

Large-scale solar arrays can be installed efficiently and commissioned quickly

Integrates Seamlessly

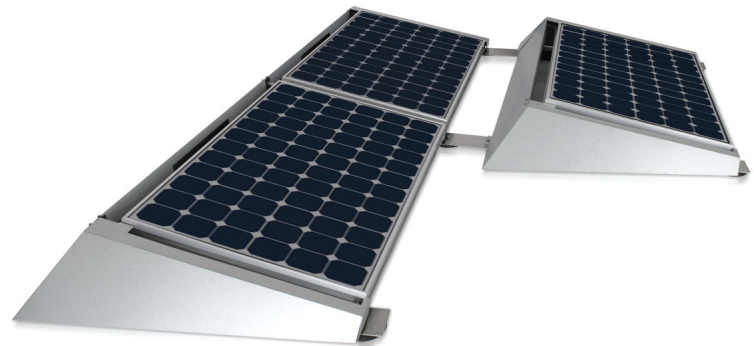
Low-profile design blends into flat roof and flat ground sites, while operating within existing electrical network

Non-Obstructive

Solar tiles will not interfere with roof operations or drainage

Highly Wind Resistant

Engineered for aerodynamic stability means no roof attachments in typical wind zones



The SunPower™ T10 Solar Roof Tile is pre-engineered to tilt at a 10-degree angle and enhance energy capture.

These non-penetrating roof tiles interlock for secure, rapid installation. Made of durable, lightweight materials, the patented design resists high winds and corrosion and is uniquely flexible to adapt to the size and requirements of virtually any flat rooftop and select ground sites.

Highlights

Solar Panels	305	230
Peak Watts / ft ² (m ²) [array]	11.64 (125.31)	10.48 (112.77)
Average Array Weight, lbs/ft ² (kg/m ²)	2.52 (27.13)	2.12 (22.78)
Wind Resistance, mph (kph)	120 (193)	

About SunPower

SunPower designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50% more power than conventional solar cells. Our high-performance solar panels, roof tiles and trackers deliver significantly more energy than competing systems.





Electrical Data

Measured at Standard Test Conditions (STC): Irradiance 1000 W / m², AM 1.5, and cell temperature 25° C

Peak Power (±5%)*	P _{max}	230 W	305 W
Rated Voltage	V _{mpp}	41.0 V	54.7 V
Rated Current	I _{mpp}	5.61 A	5.58 A
Open Circuit Voltage	V _{oc}	48.7 V	64.2 V
Short Circuit Current	I _{sc}	5.99 A	5.96 A
Maximum System Voltage	UL	600 V	600 V
Temperature Coefficients	Power	-0.38% / K	-0.38% / K
	Voltage (V _{oc})	-132.5mV / K	-176.6 mV / K
	Current (I _{sc})	3.5mA / K	3.5 mA / K
NOCT		45° C +/-2° C	45° C +/-2° C
Series Fuse Rating		20 A	15 A

Tested Operating Conditions

Temperature	-40° F to +185° F (-40° C to +85° C)
Max load	SPR-230-WHT and SPR-305-WHT: 50 psf 245kg/m ² (2400 Pa) front and back – e.g. wind SPR-230-WHT: 113 psf 550kg/m ² (5400 Pa) front – e.g. snow
Impact Resistance	Hail 1 in (25 mm) at 52mph (23 m/s)

*Other solar panels may be available upon request

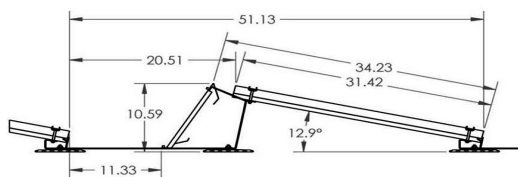
Mechanical Data

Solar Panels	SunPower™ 230 Solar Panels (SPR-230-WHT), or SunPower™ 305 Solar Panels (SPR-305-WHT)
Solar Cells	SPR-230-WHT: 72 all-back contact monocrystalline, SPR-305-WHT: 96 all-back contact monocrystalline
Front Glass	High transmission tempered glass
Junction Box	IP-65 rated with 3 bypass diodes Dimensions: 32 x 155 x 128 (mm)
Output Cables	1000 mm length cables / MultiContact (MC4) connectors
Solar Panel Frame	SPR-230-WHT: anodized aluminum alloy type 6063, black SPR-305-WHT: anodized aluminum alloy type 6063, silver, stacking pins
Mounting System	Wind deflectors: 24 gauge Galvalume coated steel Supports: 5052-H32 Aluminum plate Fasteners: 300-series stainless steel Foot pads: EPDM rubber, molded on aluminum plate
Total Weight Per System Tile	SPR-230-WHT: 46.46 lbs (21.07 kg) SPR-305-WHT: 66.03 lbs (29.95 kg)

Warranties and Certifications

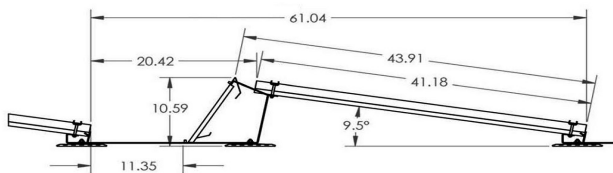
Warranty	25-year limited power warranty 10-year limited product warranty
Certifications	Tested to UL 1703, Class C Fire Rating

Dimensions



SUNPOWER 230

PV GCR: 0.61
SHADING GCR: 0.67
DIMENSION: 51.13 N-S X 62.31 E-W
AREA PER MODULE: 22.1 SQ. FT.



SUNPOWER 305

PV GCR: 0.67
SHADING GCR: 0.72
DIMENSIONS: 61.04 N-S X 62.31 E-W
AREA PER MODULE: 26.4 SQ. FT.

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Visit sunpowercorp.com for details