

SUNPOWER

BENEFITS

Highest Efficiency

Panel efficiency of 18.4% is higher than any commercially available competitor panel.

More Power

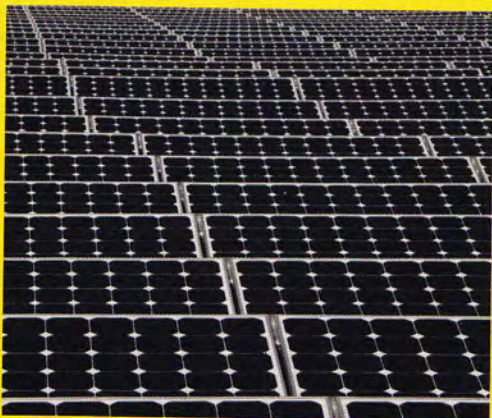
SunPower 300 delivers 50% more power per unit area than conventional solar panels and 100% more than thin film solar panels.

Reduces Installation Cost

More power per panel means fewer panels per install. This saves both time and money.

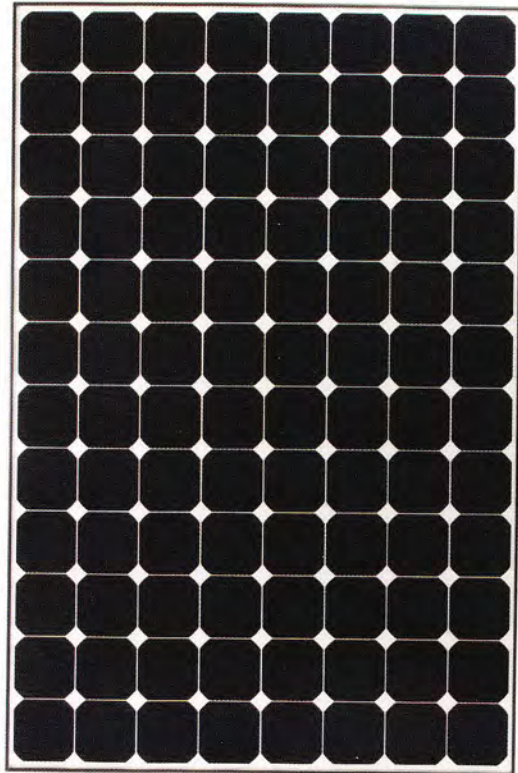
Reliable and Robust Design

Proven materials, tempered front glass, and a sturdy anodised frame allow panel to operate reliably in multiple mounting configurations.



300 SOLAR PANEL

EXCEPTIONAL EFFICIENCY AND PERFORMANCE



The SunPower 300 Solar Panel provides today's highest efficiency and performance. Utilising 96 next generation SunPower all back-contact solar cells, the SunPower 300 delivers an unprecedented total panel conversion efficiency of 18.4%. The 300 panel's reduced voltage-temperature coefficient and exceptional low-light performance attributes provide outstanding energy delivery per peak power watt.

SunPower's High Efficiency Advantage - Up to Twice the Power

Comparable systems covering 1000 m ² / 10,750 ft ²			
	Thin Film	Conventional	SunPower
Watts / Panel	65	165	300
Efficiency	9.0%	12.0%	18.4%
kWs	90	120	184

SPR-300-WHT-I



Electrical Data

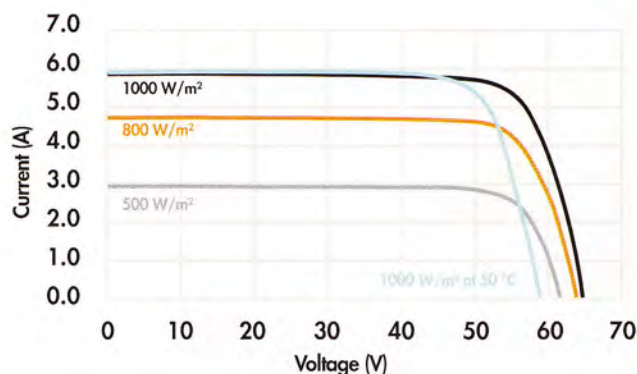
Measured at Standard Test Conditions (STC): irradiance of 1000 W/m², air mass 1.5 g, and cell temperature 25° C.

Peak Power (+/-3%)	Pmax	300 W
Rated Voltage	Vmp	54.7 V
Rated Current	Imp	5.49 A
Open Circuit Voltage	Voc	64.0 V
Short Circuit Current	Isc	5.87 A
Maximum System Voltage	IEC	1000 V
Temperature Coefficients		
	Power	-0.38% / °C
	Voltage (Voc)	-176.6 mV/°C
	Current (Isc)	3.5 mA/°C
Series Fuse Rating		15 A
Peak Power per Unit Area		184 W/m ²

Mechanical Data

Solar Cells	96 SunPower all back-contact monocrystalline
Front Glass	4.0 mm (5/32 in) tempered
Junction Box	IP-65 rated with 3 bypass diodes
Output Cables	900 mm length cables / Multi-Contact connectors
Frame	Anodised aluminium alloy type 6063
Weight	21kg, 46.2 lbs

IV Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

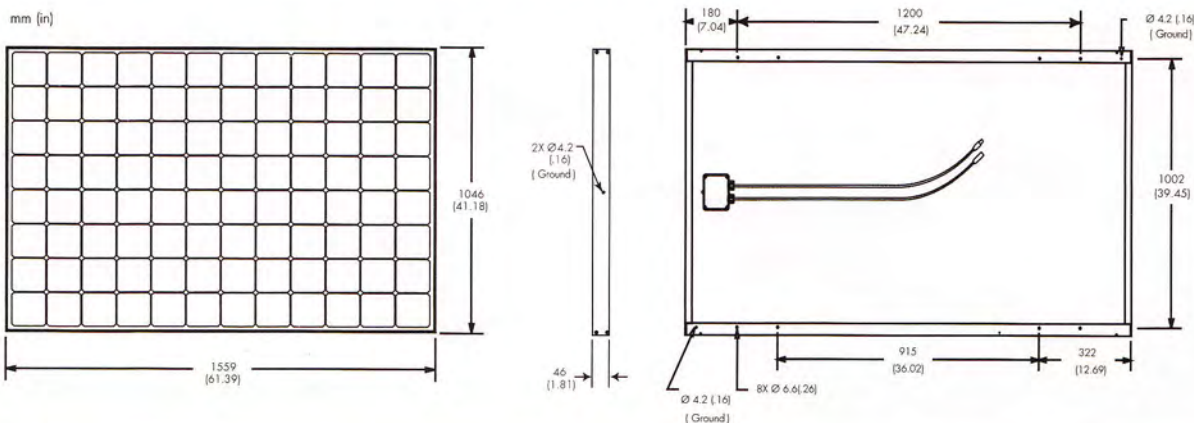
Tested Operating Conditions

Temperature	-40° C to +85° C (-40° F to +185° F)
Max load	240 kg/m ² (2400 Pascals) front and back
Impact Resistance	Hail - 25mm (1 in) at 23 m/s (52 mph)

Warranty and Certifications

Warranty	25 year limited power warranty 10 year limited product warranty
Certifications	IEC 61215, Safety tested IEC 61730

Dimensions



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

About SunPower

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

SUNPOWER

BENEFITS

High Efficiency

Industry leading panel efficiency of 16.5%

Attractive Design

Unique design combines high efficiency and an elegant, all black appearance

More Power

Delivers up to 50% more power per unit area than conventional solar panels

Reliable and Robust Design

Proven materials, tempered front glass, and a sturdy anodized frame allow panel to operate reliably in multiple mounting configurations



SPR-205-BLK

205 SOLAR PANEL

EXCEPTIONAL EFFICIENCY AND APPEARANCE



The SunPower 205 Solar Panel provides a **revolutionary combination of high efficiency and attractive, uniform appearance.** Utilizing 72 next generation SunPower all back-contact solar cells and an all-black backsheet, the SunPower 205 elegantly delivers an unprecedented total panel conversion efficiency of 16.5%. The panel's reduced voltage-temperature coefficient and exceptional low-light performance attributes provide far higher energy delivery per peak power than conventional panels.

SunPower's High Efficiency Advantage - up to 50% More Power

Comparable systems covering 25 m ² / 270 ft ²		
	Conventional	SunPower
Watts / Panel	165	205
Efficiency	12.0%	16.5%
kWs	3.0	4.1



Electrical Data

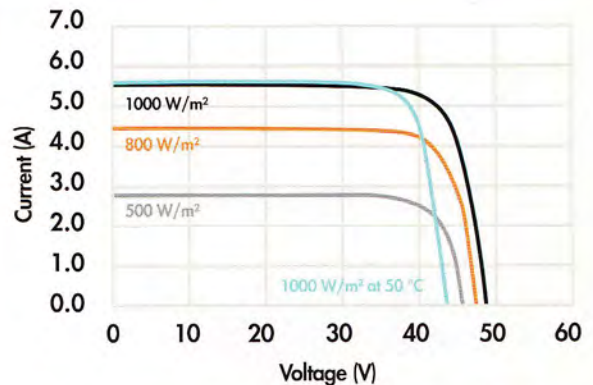
Measured at Standard Test Conditions (STC): irradiance of 1000W/m², air mass 1.5g, and cell temperature 25 C

Peak Power (+/-5%)	Pmax	205 W
Rated Voltage	Vmp	40.0 V
Rated Current	Imp	5.13 A
Open Circuit Voltage	Voc	47.8 V
Short Circuit Current	Isc	5.53 A
Maximum System Voltage	IEC, UL	1000 V, 600 V
Temperature Coefficients		
	Power	-0.38% /° C
	Voltage (Voc)	-132.5m V/° C
	Current (Isc)	3.5m A/° C
Series Fuse Rating		15 A
Peak Power per Unit Area		169 W/m ² , 15.3 W/ft ²
CEC PTC Rating		189.0 W

Mechanical Data

Solar Cells	72 SunPower all-back contact monocrystalline
Front Glass	3.2mm (1/8 in.) tempered
Junction Box	IP-65 rated with 3 bypass diodes
Output Cables	900mm length / Multi-Contact connectors
Frame	Anodized aluminum alloy type 6063
Weight	15kg, 33lbs

IV Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

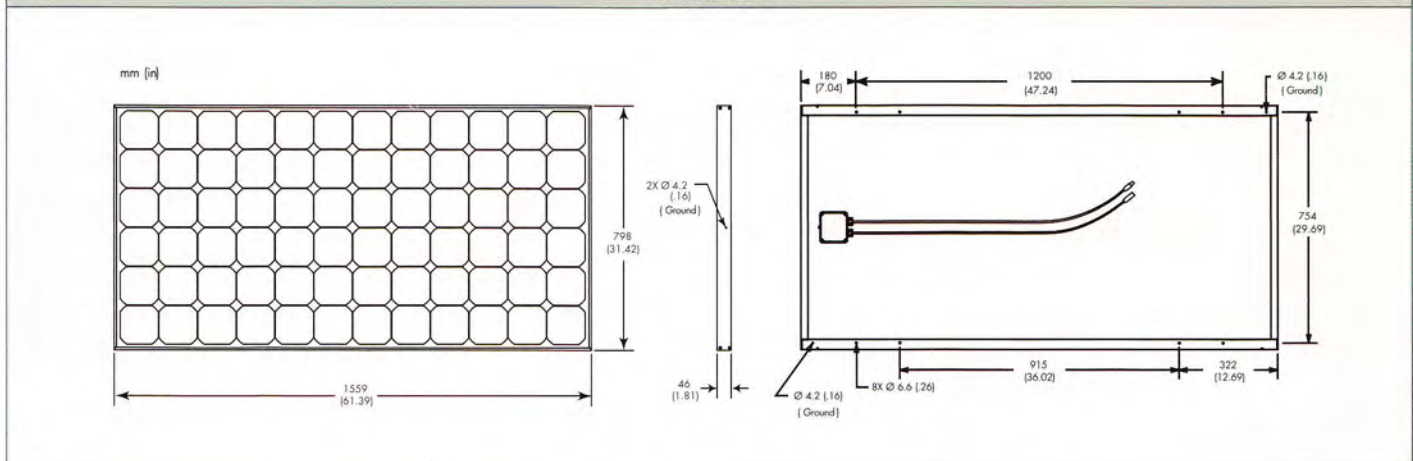
Tested Operating Conditions

Temperature	-40° C to +85° C (-40° F to +185° F)
Max load	50 psf (2400 Pascals) front and back
Impact Resistance	Hail - 25 mm (1 in.) at 23 m/s (52 mph)

Warranty and Certifications

Warranty	25 year limited power warranty
	10 year limited product warranty
Certifications	IEC 61215, Safety tested IEC 61730; UL listed (UL 1703), Class C Fire Rating

Dimensions



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT. Go to www.sunpowercorp.com/panels for details

About SunPower

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