SUNPOWER

230 SOLAR PANEL

EXCEPTIONAL EFFICIENCY AND PERFORMANCE

BENEFITS

Highest Efficiency

Panel efficiency of 18.5% is higher than any commercially available panel of similar size.

More Power

SunPower 230 delivers up to 50% more power per unit area than conventional solar panels and 100% more than thin film solar panels.

Reduced Installation Cost

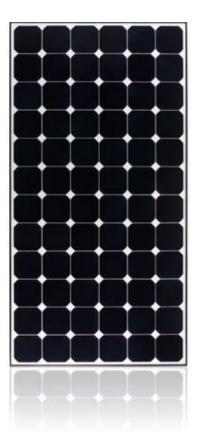
More power per panel means fewer panels per install. This saves both time and money.

Reliable and Robust Design

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



SPR-230-WHT



The SunPower 230 Solar Panel provides today's highest efficiency and performance. Utilizing 72 next generation SunPower all back-contact solar cells and an optimized panel design, the SunPower 230 delivers an unprecedented total panel conversion efficiency of 18.5%. The 230 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	230	
Efficiency	9.0%	12.0%	18.5%	
kWs	90	120	185	

 (ϵ)







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Electrical Data Measured at Standard Test Conditions (STC): irradiance of 1000/m², air mass 1.5 g, and cell temperature 25° C				
Peak Power (+/-5%)	Pmax	230 W		
Rated Voltage	Vmp	41.0 V		
Rated Current	Imp	5.61 A		
Open Circuit Voltage	Voc	48.7 V		
Short Circuit Current	lsc	5.99 A		
Maximum System Voltage	IEC, UL	1000 V, 600 V		
Temperature Coefficients				
	Power	–0.38% /°C		
	Voltage (Voc)	–132.5 mV/°C		
	Current (Isc)	3.5 mA/°C		
Series Fuse Rating		20 A		
Peak Power per Unit Area		185 W/m², 17.2 W/ft²		

Mechanical Data

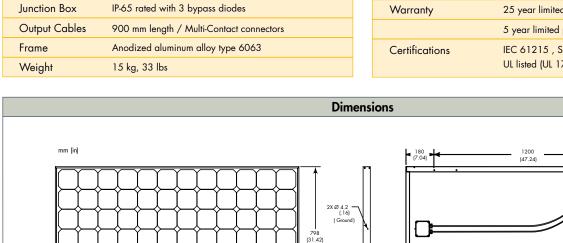
3.2mm (1/8 in) tempered

72 SunPower all back-contact monocrystalline

.0	
.0 1000 W/m ²	
.0 800 W/m ²	
.0 800 W/m ² .0 500 W/m ²	
.0 500 W/m ²	
.0	
.0	1000 W/m² at 50 °C

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/m² (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			
	5 year limited product warranty			
Certifications	IEC 61215 , Safety tested IEC 61730; UL listed (UL 1703), Class C Fire Rating			



46 (1.81) 1559 (61.39) Ø 4.2 (.16) (Ground)

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

About SunPower

Solar Cells

Front Glass

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.

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915 (36.02)

8X Ø 66126



Ø 4 2 I 16

322 (12.69