SUNPOWER

BENEFITS

Highest Efficiency

Panel efficiency of 18.7% is higher than any commercially available competitor panel

More Power

SunPower 305 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

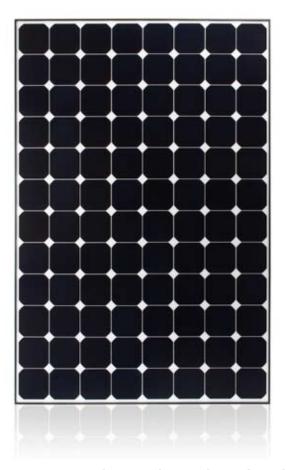
Reliable and Robust Design

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



305 SOLAR PANEL

EXCEPTIONAL EFFICIENCY AND PERFORMANCE



The SunPower 305 Solar Panel provides today's highest efficiency and performance. Utilizing 96 next generation SunPower all-back contact solar cells, the SunPower 305 delivers an unprecedented total panel conversion efficiency of 18.7%. The 305 panel's reduced voltagetemperature 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 m² / 10,750 ft²				
	Thin Film	Conventional	SunPower	
Watts / Panel	65	165	305	
Efficiency	9.0%	12.0%	18.7%	
kWs	90	120	187	







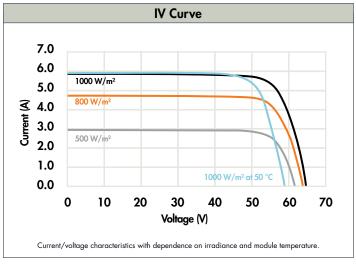
SUNPOWER

305 SOLAR PANEL

EXCEPTIONAL EFFICIENCY AND PERFORMANCE

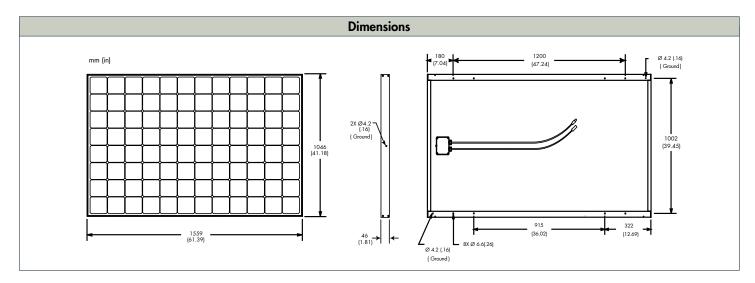
Electrical Data Measured at Standard Test Conditions (STC): irradiance of 1000/m², air mass 1.5 g, and cell temperature 25° C				
Peak Power (+/-5%)	Pmax	305 W		
Rated Voltage	Vmp	54.7 V		
Rated Current	Imp	5.58 A		
Open Circuit Voltage	Voc	64.2 V		
Short Circuit Current	lsc	5.96 A		
Maximum System Voltage	IEC, UL	1000 V, 600 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		187 W/m², 17.4 W/ft²		
CEC PTC Rating		282.1 W		

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	Clear anodized aluminum alloy type 6063	
Weight	24 kg, 53 lbs	



Tested Operating Conditions		
Temperature	-40° C to $+85^{\circ}$ C (-40° F to $+185^{\circ}$ F)	
Max load	50 psf (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;	
	UL listed (UL 1703), Class C Fire Rating	



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.

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Document #001-42209 Rev*A

