

## BENEFITS

### Maximum Light Capture

SunPower's all-back contact cell design moves gridlines to the back of the cell, leaving the entire front surface exposed to sunlight, enabling up to 10% more sunlight capture than conventional cells.

### Superior Temperature Performance

Due to lower temperature coefficients and lower normal cell operating temperatures, our cells generate more energy at higher temperatures compared to standard c-Si solar cells.

### No Light-Induced Degradation

SunPower n-type solar cells don't lose 3% of their initial power once exposed to sunlight as they are not subject to light-induced degradation like conventional p-type c-Si cells.

### Broad Spectral Response

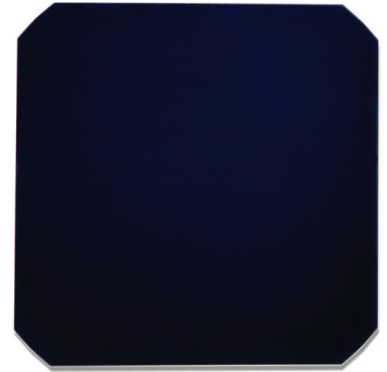
SunPower cells capture more light from the blue and infrared parts of the spectrum, enabling higher performance in overcast and low-light conditions.

### Broad Range Of Application

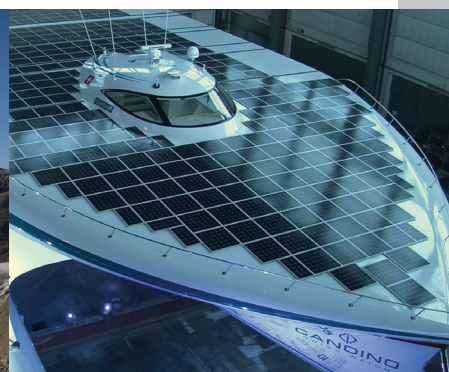
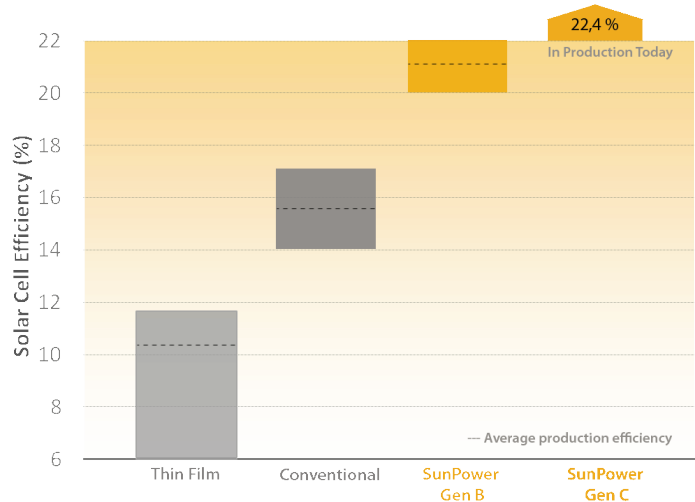
SunPower cells provide reliable performance in a broad range of applications for years to come.

The SunPower™ C60 solar cell with proprietary Maxeon™ cell technology delivers today's highest efficiency and performance.

The anti-reflective coating and the reduced voltage-temperature coefficients provide outstanding energy delivery per peak power watt. Our innovative all-back contact design moves gridlines to the back of the cell, which not only generates more power, but also presents a more attractive cell design compared to conventional cells.



### SunPower's High Efficiency Advantage



### Electrical Characteristics of Typical Cell at Standard Test Conditions (STC)

STC: 1000W/m<sup>2</sup>, AM 1.5g and cell temp 25°C

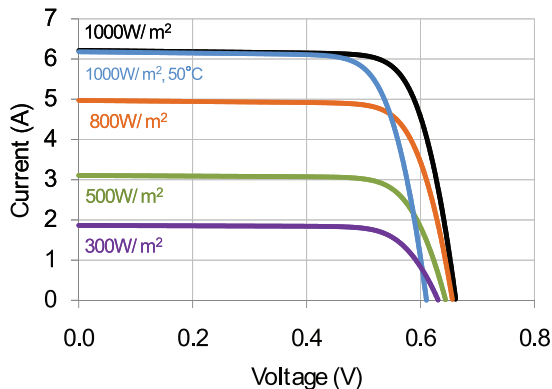
Bin	Pmpp (Wp)	Eff. (%)	Vmpp (V)	Impp (A)	Voc (V)	Isc (A)
G	3.34	21.8	0.574	5.83	0.682	6.24
H	3.38	22.1	0.577	5.87	0.684	6.26
I	3.40	22.3	0.581	5.90	0.686	6.27
J	3.42	22.5	0.582	5.93	0.687	6.28

All Electrical Characteristics parameters are nominal  
 Unlaminated Cell Temperature Coefficients  
 Voltage: -1.8 mV / °C      Power: -0.32% / °C

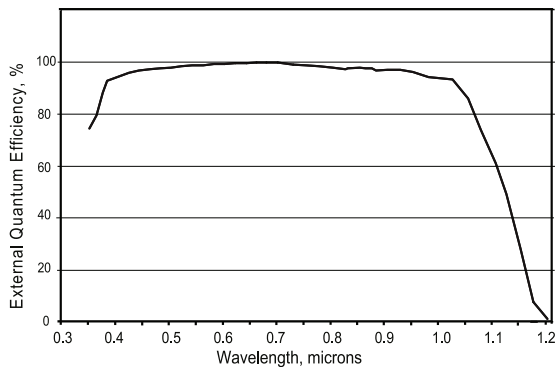
### Positive Electrical Ground

Modules and systems produced using these cells must be configured as "positive ground systems".

### TYPICAL I-V CURVE



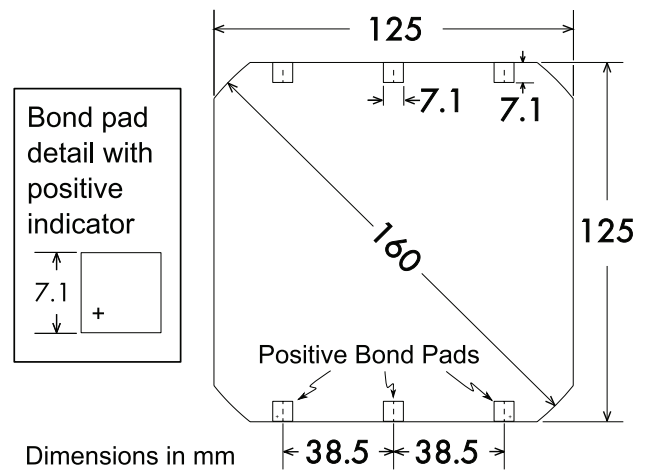
### SPECTRAL RESPONSE



### Physical Characteristics

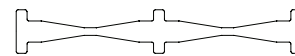
Construction: All back contact  
 Dimensions: 125mm x 125mm (nominal)  
 Thickness: 165µm ± 40µm  
 Diameter: 160mm (nominal)

### Cell and Bond Pad Dimensions



Bond pad area dimensions are 7.1 mm x 7.1 mm  
 Positive pole bond pad side has "+" indicator on leftmost and rightmost bond pads.

### Interconnect Tab and Process Recommendations



Tin plated copper interconnect. Compatible with lead free process.

### Packaging

Cells are packed in boxes of 1,200 each; grouped in shrink-wrapped stacks of 150 with interleaving. Twelve boxes are packed in a water-resistant "Master Carton" containing 14,400 cells suitable for air transport.

Interconnect tabs are packaged in boxes of 1,200 each.

### 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.