

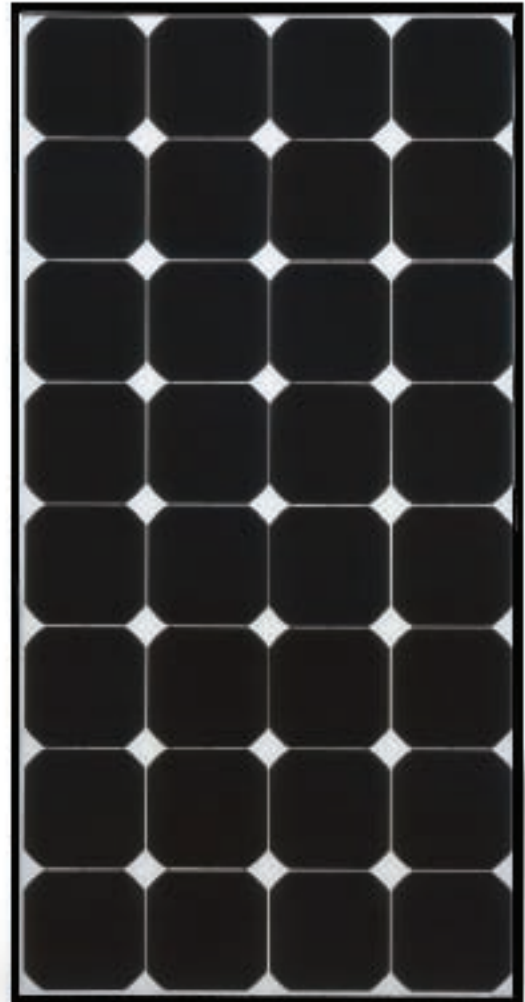
## SPR-90 HIGH EFFICIENCY PV MODULE

The SunPower SPR-90 is ideal for a wide range of off-grid applications where high battery-charging current from a small footprint is desirable. Our monocrystalline silicon solar cells combine higher voltage per cell with an extremely low voltage-temperature coefficient to enable superior battery charging performance at high operating temperature. Exceptional low-light performance and broad spectral response further enhance energy delivery in all weather conditions, year round.

**SunPower modules—innovative design, proven materials, outstanding performance.**

### FEATURES & BENEFITS

- A sturdy, black anodized aluminum frame with mounting holes to match the industry norm enables easy installation on currently available mounting structures
- Over 5.1 amps of peak battery charging current
- Unique back-contact solar cells with conversion efficiency up to 21.5%
- Low voltage-temperature coefficient ensures maximum battery charging current is available even during high-temperature operation
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum maximizes yearly charging performance in any weather
- Highest quality 4mm-thick high-transmission tempered glass provides enhanced stiffness and impact resistance
- Aerospace style cell interconnects with in-plane strain relief provide extremely high reliability
- Advanced EVA encapsulation system with multi-layer backsheets provides excellent long-term package durability



**SPR-90 HIGH EFFICIENCY PV MODULE**  
More battery-charging power from a smaller footprint.

# SUNPOWER

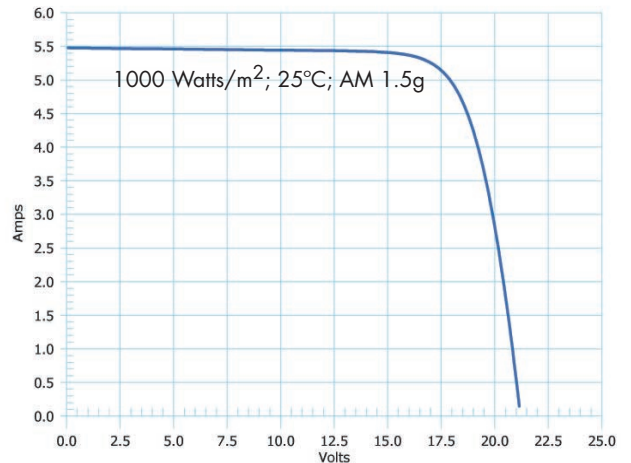
## ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS (STC)

STC is defined as: irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5g and cell temperature of 25°C

Peak Power <sup>1,2</sup>	P <sub>max</sub>	90W
Rated Voltage	V <sub>mp</sub>	17.7V
Rated Current	I <sub>mp</sub>	5.1A
Open Circuit Voltage	V <sub>oc</sub>	21.2V
Short Circuit Current	I <sub>sc</sub>	5.5A
Series Fuse Rating		15A
Maximum System Voltage		12V

Temperature Co-efficients	Power	-0.38%/°C
	Voltage	-60.8mV/°C
	Current	2.2mA/°C
Module Efficiency		16.5%

## IV CURVE



<sup>1</sup>Peak Power Tolerance: +/- 5%

<sup>2</sup>Power guaranteed for 25 years. See SunPower Limited Warranty for details.

## MECHANICAL SPECIFICATIONS

Length (mm) x Width (mm)	1038 x 527
Thickness, including junction box (mm)	46
Weight (kg)	7.4

## DIMENSIONS

