

SUNPOWER

MONO MODULE

E19 / 320



BENEFITS

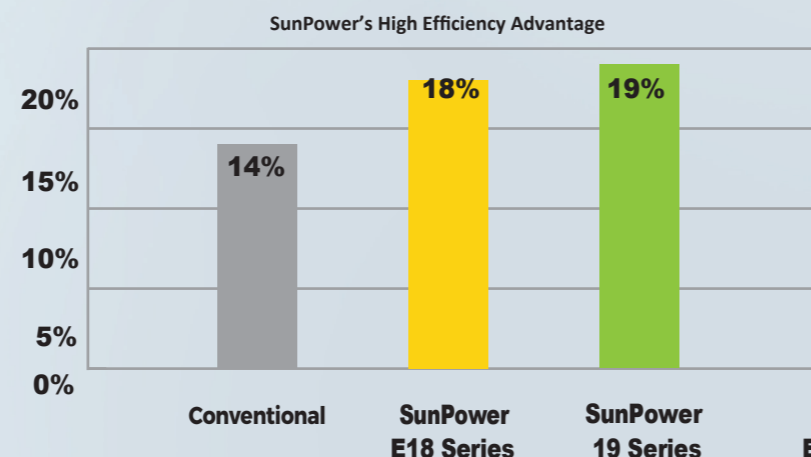
- Highest Efficiency**
 SunPower™ Solar Panels are the most efficient photovoltaic panels on the market today.
- More Power**
 Our panels produce more power in the same amount of space—up to 50% more than conventional designs and 100% more than thin film solar panels.
- Reduced Installation Cost**
 More 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 anodised frame allow panel to operate reliably in multiple mounting configurations.

The planet's most powerful solar panel.

The SunPower™ 320 Solar Panel provides today's highest efficiency and performance. Utilising 96 back-contact solar cells, the SunPower 320 delivers a total panel conversion efficiency of 19.6%. The 320 panel's reduced voltage-temperature coefficient, anti-reflective glass and exceptional low-light performance attributes provide outstanding energy delivery per peak power watt.



SPR-320E-WHT-D



Measured at Standard Test Conditions (STC):
Irradiance 1000W/m², AM 1.5, and cell temperature 25° C

Nominal Power (+5/-3%)	P _{nom}	320 W
Efficiency	H	19.6 %
Rated Voltage	V _{mpp}	54.7 V
Rated Current	I _{mpp}	5.86 A
Open Circuit Voltage	V _{OC}	64.8 V
Short Circuit Current	I _{SC}	6.24 A
Maximum System Voltage	IEC	1000 V
Temperature Coefficients	Power (P)	-0.38% / K
	Voltage (V _{OC})	-176.6mV / K
	Current (I _{SC})	3.5mA/K

NOCT	45° C +/-2° C	
Series Fuse Rating	15A	
Limiting Reverse Current (3-strings)	I _R	15.6A

Measured at Nominal Operating
Cell Temperature (NOCT): Irradiance 800W/m

Nominal Power	P _{nom}	238 W
Rated Voltage	V _{mpp}	50.4 V
Rated Current	I _{mpp}	4.72 A
Open Circuit Voltage	V _{OC}	60.7 V
Short Circuit Current	I _{SC}	5.05 A
Solar Cells	96 SunPower all-back contact monocrystalline	
Front Glass	High transmission tempered glass with anti-reflective (AR) coating	
Junction Box	IP-65 rated with 3 bypass diodes	
Size	32 x 155 x 128 (mm)	

Voltage (V)
Tested Operating Conditions

Temperature	- 40° C to +85° C
Max load	550 kg / m ² (5400 Pa), front (e.g. snow) w / specified mounting configurations 245 kg / m ² (2400 Pa) front and back – op. wind
Impact Resistance	Hail – 25 mm at 23 m/s

Warranties and Certifications

Warranties	10 year limited product warranty
Certifications	IEC 61215 Ed. 2, IEC 61730 (SCII)

Mechanical Data

Output Cables	1000mm length cables / MultiContact (MC4) connectors
Frame	Anodised aluminium alloy type 6063 (silver); stacking pins
Weight	18.6 kg

