E-Series | E20 - 327 Residential Solar Panels

20.4% Efficiency

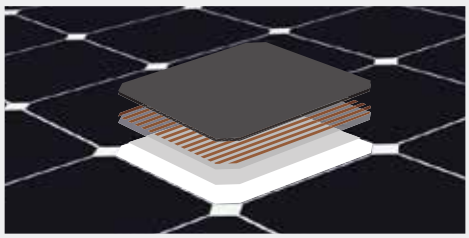
Ideal for roofs where space is at a premium or where future expansion might be needed.

High Performance

Delivers excellent performance in real world conditions, such as high temperatures, cloudy days and low light.[1,2,3]

Proven Value

Designed for residential rooftops, E-Series panels deliver the features, value and performance for any home.



Maxeon™ Solar Cells: Fundamentally better.
Engineered for performance, designed for reliability.

Engineered for Peace of Mind

Designed to deliver consistent, trouble-free energy over a very long lifetime.[4,5]

Designed for Reliability

The SunPower® Maxeon Solar Cell is the only cell built on a solid copper foundation. Virtually impervious to the corrosion and cracking that degrade Conventional Panels.[4,5]

#1 Ranked in Fraunhofer durability test.[10]
100% power maintained in Atlas 25+ comprehensive PVDI Durability test.[11]

High Performance & Excellent Durability

E20 SERIES

E20 - 327 PANEL

High Efficiency[6]

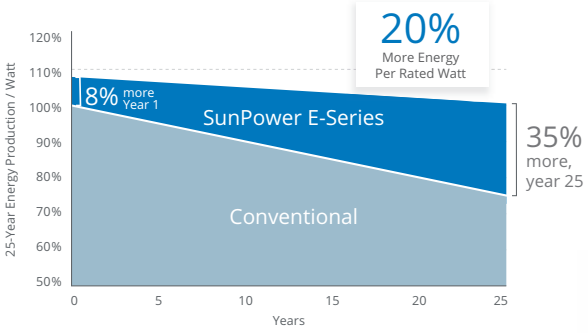
Generate more energy per square foot

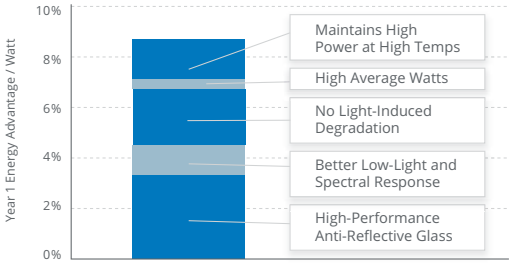
E-Series residential panels convert more sunlight to electricity producing 31% more power per panel,[1] and 60% more energy per square foot over 25 years.[1,4]

High Energy Production[7]

Produce more energy per rated watt

High year one performance delivers 7-10% more energy per rated watt.[3] This advantage increases over time, producing 20% more energy over the first 25 years to meet your needs.[4]

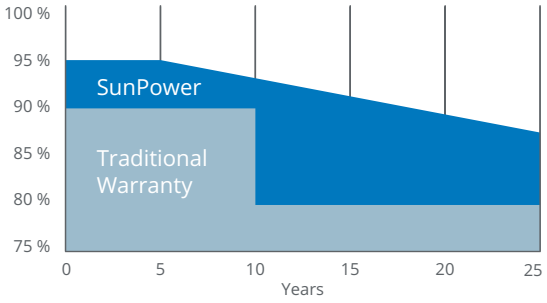




E-Series | E20 - 327 Residential Solar Panels

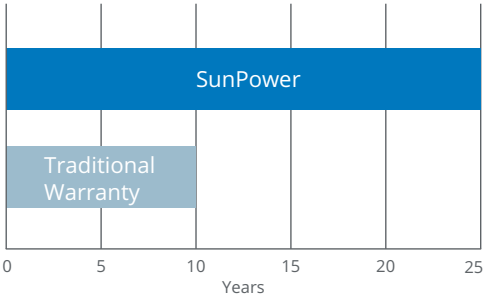
SunPower Offers The Best Combined Power And Product Warranty

Power Warranty



More guaranteed power: 95% for first 5 years, -0.4%/yr. to year 25.[8]

Product Warranty

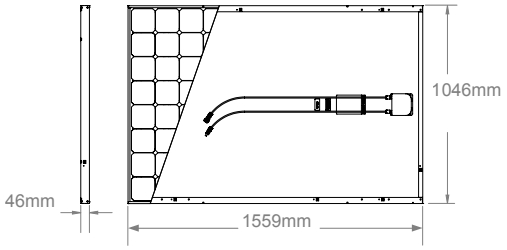


25-year Combined Power and Product Warranty that includes panel replacement costs.[9]

Electrical Data	
	E20-327
Nominal Power[12] (Pnom)	327 W
Power Tolerance	+5 /– 0%
Avg. Panel Efficiency[13]	20.4%
Rated Voltage (Vmpp)	54.7 V
Rated Current (Impp)	5.98 A
Open-Circuit Voltage (Voc)	64.9 V
Short-Circuit Current (Isc)	6.46 A
Max. System Voltage	600 V UL ; 1000 V IEC
Maximum Series Fuse	20 A
Power Temp Coef. (Pmpp)	–0.38% / °C
Voltage Temp Coef. (Voc)	–176.6 mV / °C
Current Temp Coef. (Isc)	3.5 mA / °C

Operating Condition and Mechanical Data	
Temperature	– 40°F to +185°F (– 40°C to +85°C)
Max load	Wind: 50 psf, 2400 Pa, 245 kg/m² front & back Snow: 112 psf, 5400 Pa, 550 kg/m² front
Impact resistance	1 inch (25mm) diameter hail at 52 mph (23 m/s).
Appearance	Class A+
Solar Cells	96 Monocrystalline Maxeon Gen III Cells
Tempered Glass	High transmission tempered Anti-Reflective
Junction Box	IP-65 Rated
Connectors	Yukita / MC4
Frame	Class 1 black anodized, highest AAMA Rating
Weight	41 lbs (18.6 kg)

Tests and Certifications	
Standard tests	UL 1703, IEC 61215, IEC 61730
Quality tests	ISO 9001:2008, ISO 14001:2004
EHS Compliance	RoHS, OHSAS 18001:2007, lead free
Ammonia test	IEC 62716
Salt Spray test	IEC 61701 (passed maximum severity)
PID test	Potential-Induced Degradation free: 1000V[10]
Available listings	CEC, JET, KEMCO, MCS, FSEC, CSA, UL, TUV



REFERENCES:

1 All comparisons are SPR-E20-327 vs. a representative conventional panel: 250W, approx. 1.6 m², 15.3% efficiency.
2 PVEvolution Labs "SunPower Shading Study," Feb 2013.
3 Typically 7-9% more energy per watt, BEW/DNV Engineering "SunPower Yield Report," Jan 2013, with CFV Solar Test Lab Report #12063, Jan 2013 temp. coef. calculation.
4 8% more energy per watt, 0.75%/yr slower degradation. BEW/DNV Eng. "SunPower Yield Report," Jan 2013. Jordan, Dirk "SunPower Test Report," NREL, Oct 2012. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, Feb 2013. See sunpower.com/solar-panels-technology/facts/ for details.
5 "SunPower Module 40-Year Useful Life" SunPower white paper, Feb 2013. Useful life is 99 out of 100 panels operating at more than 70% of rated power.
6 Out of all 3200 panels listed in Photon International, Feb 2013
7 Most energy per rated watt out of 151 panels tested. Photon International, Feb. 2013.
8 Compared with the top 15 manufacturers. SunPower Warranty Review, Feb 2013.
9 Some exclusions apply. See warranty for details.
10 Fraunhofer CSE, Feb. 2013. Five out of the top 8 largest manufacturers were tested. Campeau, Z., et al., "SunPower Degradation Rate," SunPower white paper, Feb. 2013. See sunpower.com/solar-panels-technology/facts/ for details.
11 Compared with the non-stress-tested control panel. Atlas 25+ Durability test report, Feb 2013.
12 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C).
13 Based on average of measured power values during production.

See http://www.sunpower.com/solar-panels-technology/facts/ for more reference information.
Read safety and installation instructions before using this product.

Specifications included in this datasheet are subject to change without notice.