• 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, clouds and low light.¹,²,³

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

Engineered for peace of mind
  Designed to deliver consistent, trouble-free energy over a very long lifetime.⁴,⁵

Designed for durability
  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 EFFICIENCY
  Generate more energy per square foot
  E-Series residential panels convert more sunlight to electricity producing 36% more power per panel,¹ and 60% more energy per square foot over 25 years.¹,⁴

HIGH ENERGY PRODUCTION
  Produce more energy per rated watt
  High year one performance delivers 7-9% 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

#1 Ranked in Fraunhofer Durability Test.

Maintains High Power at High Temps
No Light-Induced Degradation
High Average Watts
Better Low-Light and Spectral Response
High-Performance Anti-Reflective Glass

SunPower E-Series

Conventional

25-Year Energy Production / Watt

Year 1 Energy Advantage / Watt

sunpowercorp.com
E-SERIES SOLAR PANELS

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 (25 mm) diameter hail at 52 mph (23 m/s)
Appearance Class A
Solar Cells 96 Monocrystalline Maxeon Gen II Cells
Tempered Glass High Transmission Tempered Anti-Reflective
Junction Box IP-65 Rated
Connectors MC4 Compatible
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
EHS Compliance RoHS, OHSAS 18001:2007, lead-free, PV Cycle
Ammonia test IEC 62716
Salt Spray test IEC 61701 (passed maximum severity)
PID test Potential-Induced Degradation free: 1000V
Available listings CEC, JET, KEMCO, MCS, FSEC, CSA, UL, TUV

REFERENCES:
1 All comparisons are SPR-E20-327 vs. a representative conventional panel: 240W, approx. 1.6 m², 15% efficiency.
3 Typically 7-9% more energy per watt, BEW/DNV Engineering “SunPower Yield Report,” Jan 2013.
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 2600 panels listed in Photon International, Feb 2012.
7 8% more energy than the average of the top 10 panel companies tested in 2012 (151 panels, 102 companies), Photon International, March 2013.
8 Compared with the top 15 manufacturers. SunPower Warranty Review, Feb 2013.
9 Some exclusions apply. See warranty for details.
10 5 of top 8 panel manufacturers were tested by Fraunhofer ISE, “PV Module Durability Initiative Public 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.

For further details, see supplementary specs: [www.sunpowercorp.com/datasheets](http://www.sunpowercorp.com/datasheets). Read safety and installation instructions before using this product.