Helix™ Roof Compatible Modules
Factory-installed clips enable tool-free panel installation, decreasing installation time and minimizing business disruption.1

More than 20% Efficiency
Captures more sunlight and generates more power than conventional panels.

High Performance
Delivers excellent performance in real-world conditions, such as high temperatures, clouds and low light.2,3,5

Commercial Grade
Optimized to maximize returns and energy production, the E-Series panel is a bankable solution for commercial solar applications.

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

#1 Rank in Fraunhofer durability test.10
100% power maintained in Atlas 25+ comprehensive durability test.11

High Efficiency
Generate more energy per square foot
E-Series commercial panels convert more sunlight to electricity by producing 31% more power per panel2 and 60% more energy per square foot over 25 years.2,3,4

High Energy Production
Produce more energy per rated watt
More energy to power your operations. 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

**SunPower® E-Series Commercial Solar Panels | E20-435-COM**

### Tests And Certifications
- **Standard Tests**: UL1703 (Type 2 Fire Rating)
- **EHS Compliance**: RoHS, OHSAS 18001:2007, lead free, REACH SVHC-163, PV Cycle
- **Ammonia Test**: IEC 62716
- **Desert Test**: 10.1109/PVSC.2013.6744437
- **Salt Spray Test**: IEC 61701 (maximum severity)
- **PID Test**: Potential-Induced Degradation free: 1000 V
- **Available Listings**: UL, CEC

### Operating Condition And Mechanical Data
- **Temperature**: –40° F to +185° F (–40° C to +85° C)
- **Impact Resistance**: 1 inch (25 mm) diameter hail at 52 mph (23 m/s)
- **Appearance**: Class B
- **Solar Cells**: 128 Monocrystalline Maxeon Gen II
- **Tempered Glass**: High-transmission tempered anti-reflective
- **Junction Box**: IP-65, TE (PV4S)
- **Weight**: 56 lbs (25.4 kg)
- **Max. Load**: Wind: 50 psf, 2400 Pa, 244 kg/m² front & back; Snow: 112 psf, 5400 Pa, 550 kg/m² front
- **Frame**: Class 2 silver anodized; stacking pins

### Electrical Data
- **Nominal Power (Pnom)**: 435 W
- **Power Tolerance**: +5/-3%
- **Avg. Panel Efficiency**: 20.3%
- **Rated Voltage (Vmp)**: 72.9 V
- **Rated Current (Imp)**: 5.97 A
- **Open-Circuit Voltage (Voc)**: 85.6 V
- **Short-Circuit Current (Isc)**: 6.43 A
- **Max. System Voltage**: 1000 V UL
- **Maximum Series Fuse**: 15 A
- **Power Temp Coef.**: –0.35% / °C
- **Voltage Temp Coef.**: –23.5 mV / °C
- **Current Temp Coef.**: 2.6 mA / °C

### References:
- 1. Helix-compatible modules may not be compatible with other racking systems.
- 2. All comparisons are SPR-E20-327 vs. a representative conventional panel: 250 W, approx. 1.6 m², 15.3% efficiency.
- 5. "SunPower Module 40-Year Useful Life" SunPower white paper, May 2015. Useful life is 99 out of 100 panels operating at more than 70% of rated power.
- 7. 8% more energy than the average of the top 10 panel companies tested in 2012 (151 panels, 102 companies), Photon International, Feb 2013.
- 9. Some restrictions and exclusions may apply. See warranty for details.
- 13. Based on average of measured power values during production.
- 14. Type 2 fire rating per UL1703:2013, Class C fire rating per UL1703:2002.

See www.sunpower.com for more reference information.

For more details, see extended datasheet: www.sunpower.com/datasheets.

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