

SunPower® Helix™ Roof

#1 in Commercial Rooftop Solar¹



Greater lifetime energy production

The Helix™ Roof system combines SunPower's high-efficiency, high-performance panel technology, productized mechanical mounting and electrical systems, comprehensive warranties and innovative O&M services to maximize energy output from your business's rooftop.

Healthier business operations

Implementing a solar program can help boost your bottom line, invigorate employees and improve your brand reputation. The Helix Roof system is a fully integrated solution designed for efficiency, reliability and rapid installation—so you can quickly realize the benefits of solar with minimal business disruption.

A Smart Energy future

SunPower's Helix platform provides the path to a smarter, clean energy future. From intelligent management resources that turn strategic energy insights into energy savings, to scaling your Smart Energy plan to include the adoption of new technologies like storage, potential is everywhere.

sunpower.com/helix

SUNPOWER®

HELIX™

Anatomy of SunPower® Helix™ Roof

Preconfigured inverter power station

Plug-and-play design reduces field wiring and improves installation efficiency



Industry-leading solar panels

SunPower high efficiency panels maximize energy and snap into place for simple, tool-less installation

Innovative cable management

Durable cable clips, cones and trays offer robust protection from harsh roof environments that can contribute to costly downtime



Advanced mechanical mounting system

With greater coverage, Helix optimizes the yield potential of your roof, delivering higher power density



Powerful EnergyLink® Monitoring Software

Gather real-time insights for intuitive energy management



Features

- High-efficiency SunPower® panels
- Productized mechanical mounting system
- Productized electrical system
- Plug-and-play inverter power station
- EnergyLink Monitoring Hardware and Software

Warranties

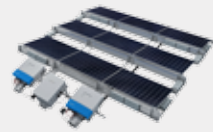
- SunPower panels, combined power..... 25 years and product warranty
- Helix mechanical BOS 25 years
- Helix electrical BOS 10 years
- Plug-and-play inverter² 10 years
- EnergyLink Monitoring Hardware 10 years

Design Options



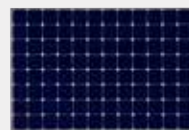
Helix Roof Dual Tilt (DT)

- Most energy per roof
- Ideal for constrained roofs
- Ideal for customers prioritizing NPV



Helix Roof Single Tilt (ST)

- Optimized output per kW
- Ideal for unconstrained roofs
- Ideal for customers prioritizing IRR



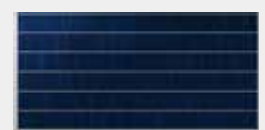
SunPower® X-Series Panel

- Highest efficiency available³
- High energy production
- 40 year useful life⁴
- Rated #1 in durability⁵



SunPower® E-Series Panel

- High-efficiency
- High energy production
- 40 year useful life⁴
- Rated #1 in durability⁵



SunPower® P-Series Panel

- High performance in shade
- Superior durability and reliability to conventional panels
- 35-year useful life⁶

1 Shiao, MJ, et al., Q4 2016 Solar Executive Briefing, GTM Research, Jan. 2017.

2 Manufacturer pass-through warranty. Warranties of 15 or 20 total years are available directly through manufacturer.

3 Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017

4 "SunPower Module 40-Year Useful Life," SunPower white paper, 2013. Useful life is 99 out of 100 panels operating at more than 70% of rated power.

5 X-Series same as E-Series. #1 rank in "Fraunhofer PV Durability Initiative for Solar Modules: Part 3", PVTech Power Magazine, 2015. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, 2013. See www.sunpowercorp.com/facts for details.

6 "SunPower P-Series Technology Technical Review," Leidos Independent Engineer Report, 2016.