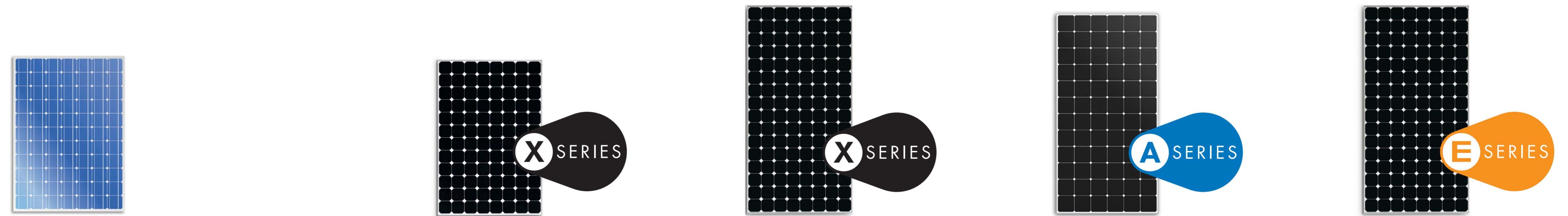


SunPower® Commercial Panel Comparison



	Conventional Panels ¹		SunPower® X-Series X22-360-COM	SunPower® X-Series X21-470-COM	SunPower® A-Series A-450-COM	SunPower® E-Series E20-435-COM
SOLAR CELLS	Multicrystalline	Monocrystalline	96 Maxeon® Monocrystalline Cells	128 Maxeon® Monocrystalline Cells	72 Maxeon® Monocrystalline Cells	128 Maxeon® Monocrystalline Cells
ENERGY PRODUCTION OVER TIME						
EFFICIENCY RATING ²	 16.8%	 18.0%	 22.1%	 21.7%	 22.2%	 20.1%
POWER PRODUCED ³	 325 W	 350 W	 360 W	 470 W	 450 W	 435 W
Estimated 25 Year Production			8,299 MWh	8,179 MWh	8,179 MWh	7,630 MWh
PANELS PLACED IN 15,000 SQ FT AREA	 5,709 MWh	 6,163 MWh	 8,299 MWh	 8,179 MWh	 8,179 MWh	 7,630 MWh
System Size	161 kWp	173 kWp	215 kWp	212 kWp	212 kWp	196 kWp
WARRANTY	25 Year Power 10 Year Product 0 Year Service		25 Year Power 25 Year Product 25 Year Service			
WARRANTED POWER IN YEAR 25	80.7%		92%			
PANEL DIMENSIONS	77 in x 39 in 58 lbs		41.2 in x 61.4 in 41 lbs.	41.2 in x 81.4 in 56 lbs.	40 in x 78.7 in 47.7 lbs.	41.2 in x 81.4 in 56 lbs.

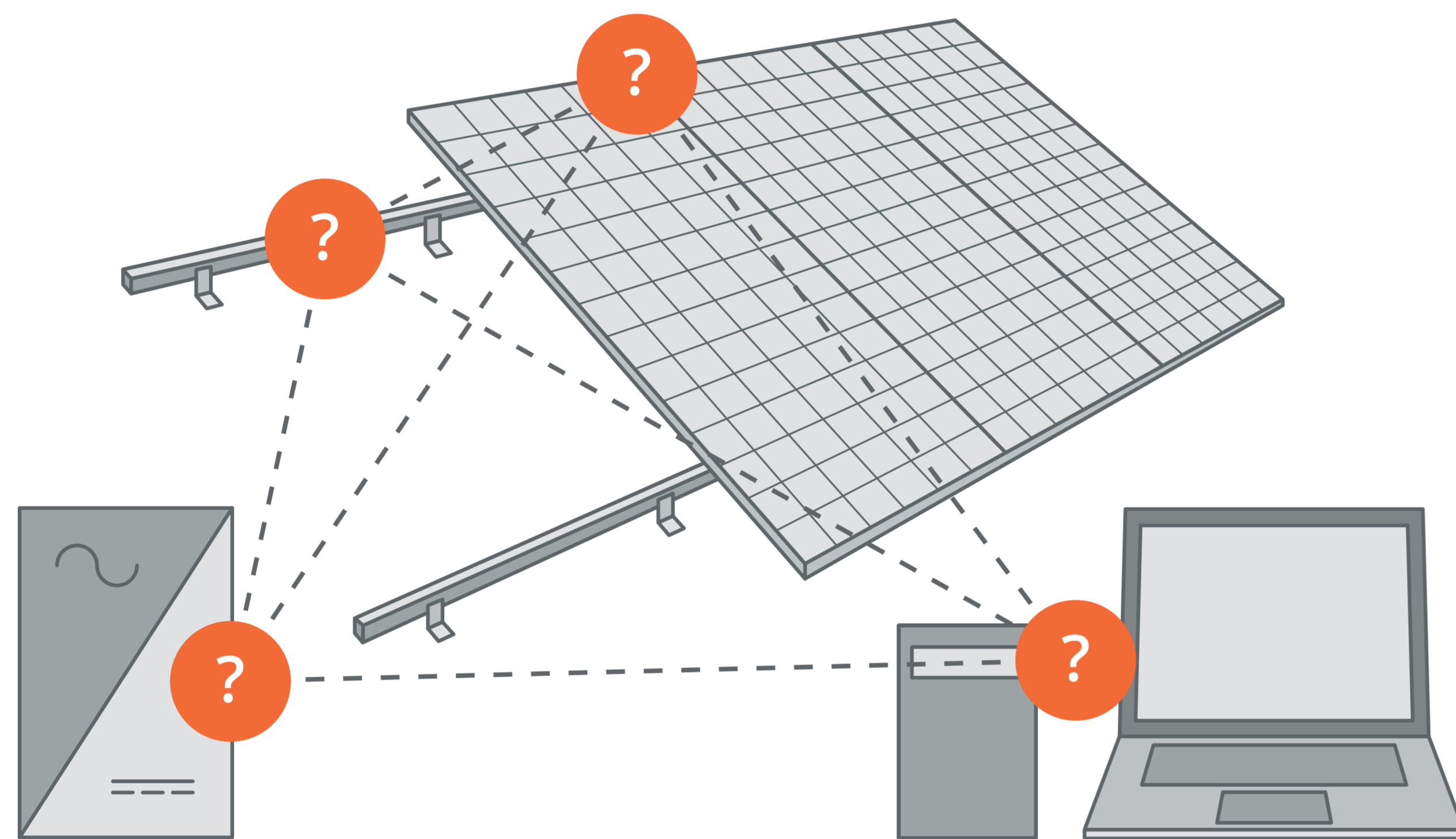
¹ "Conventional Panels" are panels with silicon cells that have many thin metal lines on the front and 2 or 3 interconnect ribbons soldered along the front and back.

² Based on a comparative index of the average measured power values for each panel during production based on energy density (kW/m2).

³ Standard Test Conditions (1000 W/m2 irradiance, AM 1.5, 25° C) NREL calibration standard SOMS current, LACCS FF and voltage. All DC voltage is fully contained within the panel.

Do You Know What's Going on Your Roof?

The SunPower Equinox® system is the only all-in-one, complete home solar system. With conventional solar systems, it's hard to know what you're getting. And while installers may tout that variety as a strength, it's more like a warning sign. Inconsistent product strategy and standards is no guarantee that you'll be happy with the end result.



Conventional Systems¹

- 16+ possible manufacturers
- 2,500+ possible combinations
- 4+ Pass through warranties
- Complex or unproven configurations can lead to inconsistent performance and reliability



*Smart phone and laptop not included

SunPower Equinox® System

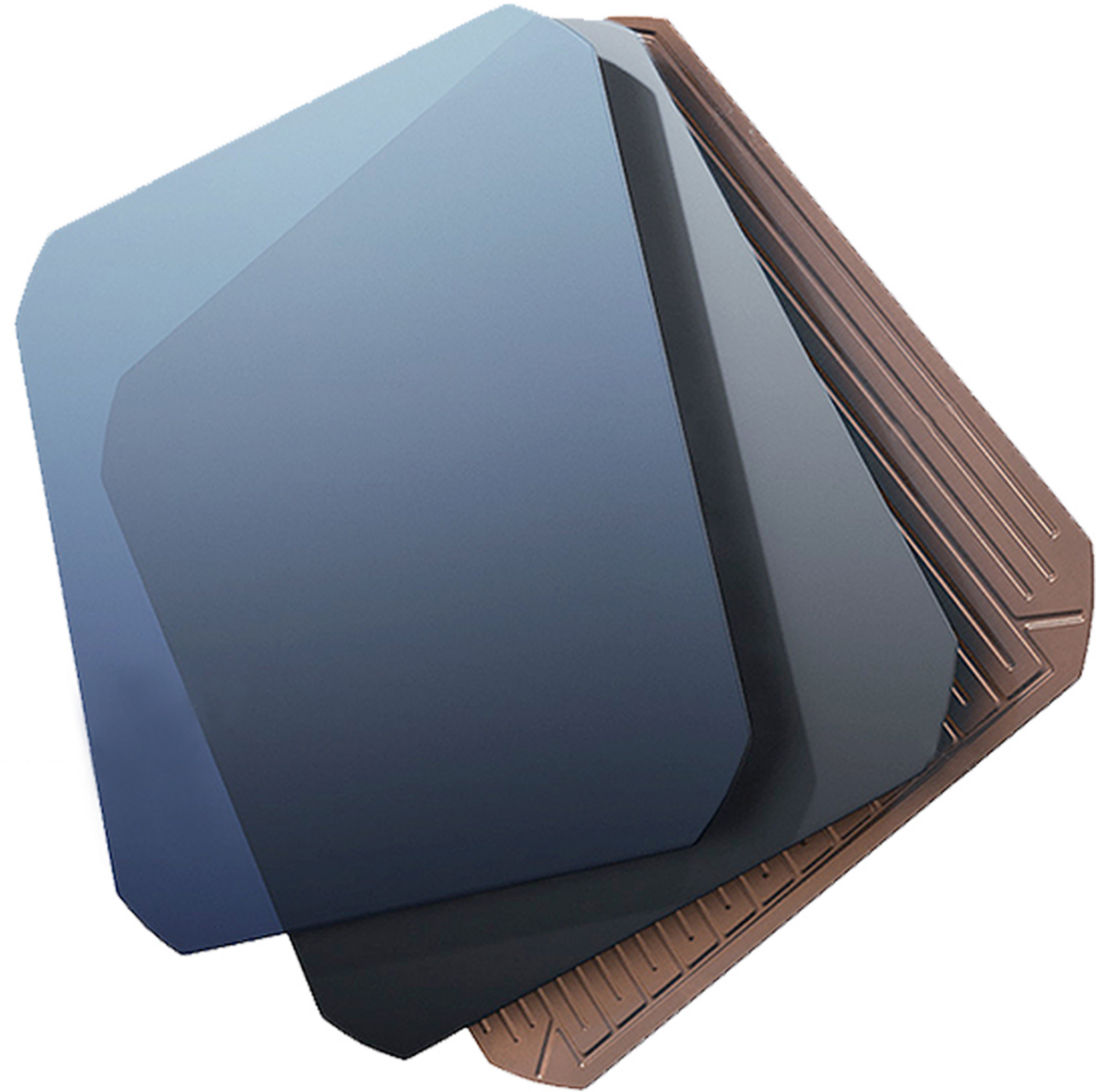
- Designed by one company to work together
- Backed by SunPower's industry-leading warranty
- Simple and elegant design, proven in real world conditions

¹ Competitive data drawn from actual major residential solar installer reports - Greentech Media PV Leaderboard, 2017.

Maxeon® Cells

The art and science of capturing sunlight, perfected.

- Copper backing reinforces strength, uninterrupted energy generation
- Unique light-trapping surface captures more sunlight than conventional cells
- Engineered to be resistant to corrosion and reliable during extreme temperature swings



Maxeon cells are fundamentally better

- Keeps power flowing to your home, helping to produce 70% more energy in the same space over the first 25 years
- Features a unique, light-trapping surface that resists corrosion and a solid copper backing to keep generating energy even when cracked in half
- Solar cells convert sunlight to energy at world-record efficiency levels

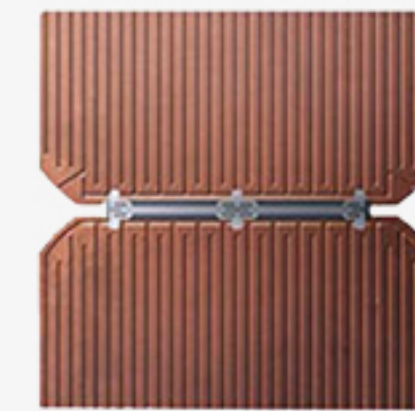
SunPower



Produce 55% more energy than conventional cells in the first year of operation.

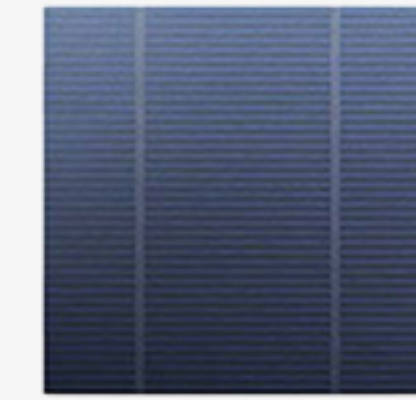


Uses a copper backing, helping to add strength and resist corrosion.



Thick, robust connectors flex with unpredictable temperature changes.

Conventional Solar Cells



Metal paste connections block light and corrode over time.



Metal paste is fragile and cracks easily.



Any connection breakage renders the cell useless.



SunPower Limited Product and Power Warranty for Residential Maxeon® PV Modules

This Limited Warranty is effective for SunPower® photovoltaic modules for residential installation with “SPR-A” “SPR-E” or “SPR-X” in the product model number and sold after February 1, 2019. SunPower photovoltaic modules which include “COM” or “AC” in the model number are covered by a different warranty.

1. Limited Warranty

Subject at all times to the terms and conditions as set out in this Limited Warranty, SunPower Corporation (“SunPower”) warrants that for 25 years beginning on the Warranty Start Date¹ (the “Warranty Period”), its photovoltaic modules specified above (“PV Module(s)”), shall be free from defects in materials and workmanship under normal application, installation, use and service conditions, and the power of the PV Modules will be at least 98% of the Minimum Peak Power² rating for the first year, and will decline by no more than 0.25% per year for the following 24 years, so the power output at the end of the final year of the 25th year warranty period will be at least 92% of the Minimum Peak Power rating (the “Guaranteed Peak Power” rating).

2. Claims Process and Coverage

If any PV Module fails to conform to this Limited Warranty and provided that any loss in power is determined by SunPower (in its sole discretion) not to have resulted from one of the excluded events set forth in Section 4 below, then for the Warranty Period, SunPower will repair, replace or refund the defective PV Modules as set forth herein.

In the event you have a claim covered by this Limited Warranty, immediately notify (a) an Authorized SunPower Installer; or (b) SunPower Corporation at the contacts shown below. Upon receipt of a claim, SunPower may require additional information regarding the claim, which may include, without limitation, applicable warranty registration information, proof of purchase and/or delivery, installation, serial and model numbers, and evidence regarding the basis of claim. All SunPower warranty obligations hereunder are expressly contingent upon the timely and full provision of such additional information. The return of any PV Modules will not be accepted unless prior written authorization has been given by SunPower.

For any valid claim, SunPower will, in its sole discretion, either: (a) repair; (b) replace; or (c) refund the original purchase price subject to the conditions set out herein. In the event SunPower elects to repair or replace the affected PV Modules, SunPower will pay for reasonable and customary transportation costs for: (i) the return of the PV Modules from the place where the affected PV Modules were delivered by SunPower, and; (ii) reasonable and customary transportation costs for reshipment of any repaired or replaced PV Modules to the place where the affected PV Modules were delivered by SunPower; (iii) for a PV Module that was originally installed in the United States by SunPower, any affiliate of SunPower, or any SunPower Authorized Installer, SunPower will pay for reasonable, necessary, and actual removal and reinstallation costs of the repaired or replaced PV Module; provided, however, SunPower has sole discretion to select the party performing such removal and reinstallation.

In the event SunPower elects to replace any PV Module, SunPower will replace have such PV Module replaced with an electrically and mechanically compatible PV Module (including a refurbished or remanufactured PV Module) with a substantially equal or greater power rating. For any refund, purchase price shall be prorated.

3. General Conditions for Warranty Claims

- a) All warranty claims must be filed within the Warranty Period. Any claim filed outside the Warranty Period, including any claim for a latent or undiscovered defect, is invalid.
- b) The Limited Warranty for any repaired or replaced PV Module shall not extend beyond the Warranty Period.
- c) When PV Modules are used on a mobile platform of any type (excluding trackers) the Warranty Period shall be limited to 12 years.
- d) When PV modules are to be installed on floating mounting systems, the Limited Warranty shall apply only if SunPower has provided the customer with its written consent to the application of this Limited Warranty prior to such installation.
- e) In cases of PV Module replacement, any replaced PV Module shall pass into the ownership of SunPower.

¹ “Warranty Start Date” is the earlier of (i) date of array interconnection and (ii) 6 months following the date of SunPower delivery. If the delivery date cannot be verified, manufacturing date will be used in its place.

² “Minimum Peak Power” is defined as the minimum rated power, as shown on the label. Peak Power is defined as the watt peak at Standard Test Conditions (1000W/m² irradiance, AM1.5, 25C. SOMS current, LACCS FF and Voltage from NREL calibration), as described in IEC61215, measured per IEC60904, and accounting for 3% measurement tolerance. SunPower modules shall, in any event, require a sweep rate of no less than 200ms to ensure an accurate power measurement. SunPower can provide a detailed testing procedure or a list of recognized testing agencies upon request.



4. Exclusions and Limitations

The Limited Warranty does not apply to any of the following:

- a) PV Modules subjected to: (i) misuse, abuse, neglect or accident; (ii) alteration or improper installation (improper installation includes, without limitation, installation or array that does not comply with all SunPower installation instructions and operations and maintenance instructions of any type (as may be amended and updated from time to time at SunPower's sole discretion), and all national, state, and local laws, codes, ordinances, and regulations); (iii) repair or modification by someone other than an approved service technician of SunPower; (iv) conditions exceeding the voltage, wind, snow load specifications, and any other operational specification; (v) power failure surges, lightning, flood, or fire; (vi) damage from persons, biological activity, or industrial chemical exposure; (vii) glass breakage from impact or other events outside SunPower's control.
- b) Cosmetic effects stemming from normal wear and tear of PV Module materials or other cosmetic variations which do not cause power output lower than what is guaranteed by the Limited Warranty. Normal wear and tear of PV Module materials can include, but is not limited to, fading of frame color, weathering of glass coatings, and areas of discoloration around or over individual solar cells or any part of the PV Module.
- c) PV Modules installed in locations, which in SunPower's absolute judgment may be subject to direct contact with bodies of salt water.
- d) PV Modules for which the labels containing product type or serial number have been altered, removed or made illegible.
- e) PV Modules which have been moved from their original installation location without the express written approval of SunPower.
- f) SunPower modules which include "AC" or "COM" in the model number.

SunPower shall not be held responsible or liable to the customer or any third-party arising out of any non-performance or delay in performance of any terms and conditions of sale, including this Limited Warranty, due to acts of God, war, riots, strikes, fire, flood or any other cause or circumstance beyond the reasonable control of SunPower.

5. Assignment and Transfer of Warranty

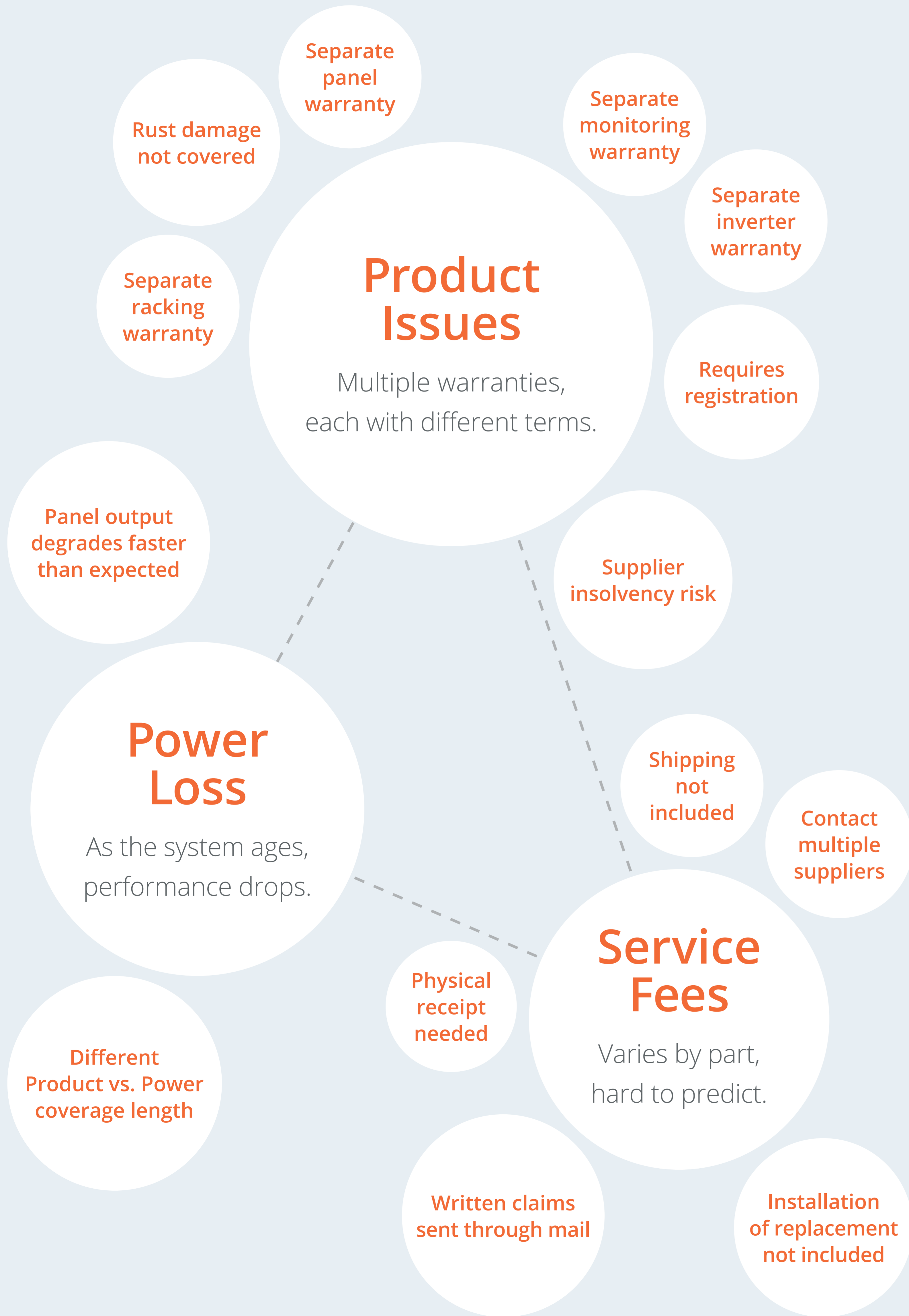
This Limited Warranty is fully assignable and transferable provided that the warranty holder provides notice to SunPower at the address listed below within 90 days of the assignment or transfer of the Limited Warranty.

6. Limitation of Warranty Scope

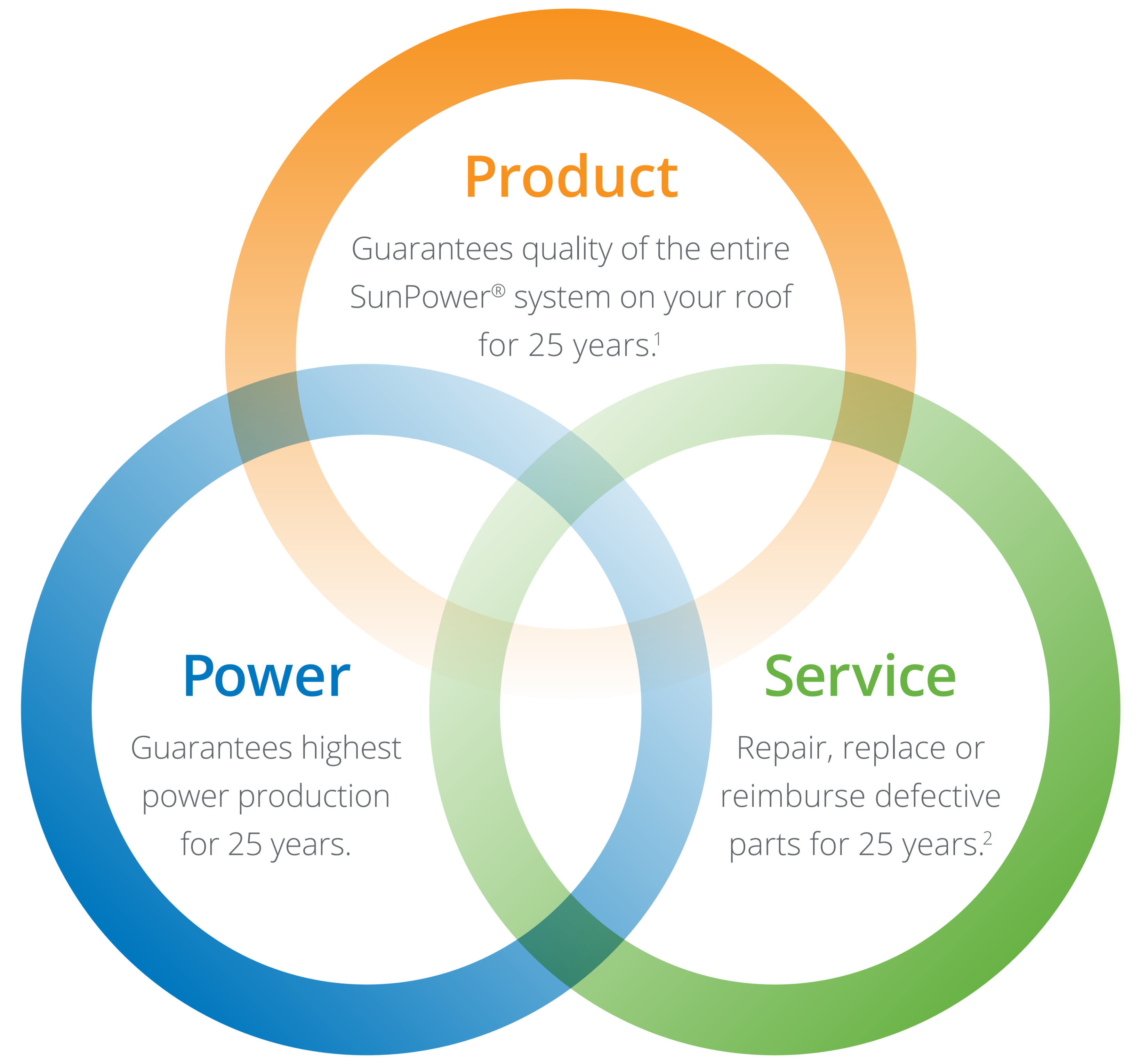
SUBJECT TO THE LIMITATIONS UNDER APPLICABLE LAW, THE LIMITED WARRANTY SET FORTH HEREIN IS EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES. EXCEPT AS PROVIDED IN THIS LIMITED WARRANTY, ALL WARRANTIES OF ANY KIND, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR PARTICULAR PURPOSE, USE, OR APPLICATION, COURSE OF DEALING, OR USAGE OF TRADE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF SUNPOWER ARE EXPRESSLY EXCLUDED AND DISCLAIMED. NOTWITHSTANDING ANY PROVISION TO THE CONTRARY, SUNPOWER SHALL HAVE NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR DAMAGE OR INJURY TO PERSONS OR PROPERTY OR FOR OTHER LOSS OR INJURY RESULTING FROM ANY CAUSE WHATSOEVER ARISING OUT OF OR RELATED TO THE PV MODULES, INCLUDING, WITHOUT LIMITATION, ANY DEFECTS IN THE PV MODULE, OR FROM USE OR INSTALLATION. UNDER NO CIRCUMSTANCES SHALL SUNPOWER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, HOWSOEVER CAUSED. LOSS OF USE, LOSS OF PROFITS, LOSS OF PRODUCTION, LOSS OF REVENUES ARE THEREFORE SPECIFICALLY BUT WITHOUT LIMITATION EXCLUDED. SUNPOWER'S AGGREGATE LIABILITY, IF ANY, IN DAMAGES OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID TO SUNPOWER BY THE CUSTOMER, FOR THE UNIT OF PRODUCT OR SERVICE FURNISHED OR TO BE FURNISHED, AS THE CASE MAY BE, WHICH GAVE RISE TO THE WARRANTY CLAIM. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES OR THE EXCLUSION OF DAMAGES SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

IF ANY PROVISION OF THIS LIMITED WARRANTY IS HELD UNENFORCEABLE OR ILLEGAL BY A COURT OR OTHER BODY OF COMPETENT JURISDICTION, SUCH PROVISIONS SHALL BE MODIFIED TO THE MINIMUM EXTENT REQUIRED SUCH THAT THE REST OF THIS LIMITED WARRANTY WILL CONTINUE IN FULL FORCE AND EFFECT.

Conventional System Warranty*



vs SunPower® Complete Confidence Warranty



The best warranty in the industry

While most solar warranties are full of headaches, the SunPower® Complete Confidence Warranty keeps things simple. One warranty covers product quality, power production and service for your whole system, backed by SunPower's rigorous testing and unmatched reliability.³

*Representative of standard efficiency solar manufacturers. Competitor warranty information provided from latest warranty documentation from various conventional panel manufacturer websites as of June, 2017.

1 SunPower monitoring hardware covered for 10 years.
 2 Repair, replacement or reimbursement will be at SunPower's sole discretion.
 3 #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.