

SUNPOWER®

Vivint¹

Years in Solar

35 years

15 years as a publicly traded company

9 years

6 years as a publicly traded company

Solar Cell
Manufactured

2.8 billion

0

Vivint does not manufacture the solar products it sells

System Integration

100% SunPower

Solar panel, microinverter, racking, monitoring hardware and accessories

Varies

3+ panel manufacturers and 3+ inverter manufacturers¹

Panel Efficiency

#1

Up to 22.7%²

Varies by manufacturer⁵

Panel Durability

#1

0.25% / year warranted power drop³

Varies by manufacturer⁵

Panel Sustainability

A Leader in Solar Sustainability

- 2019 pv magazine Sustainability Award Winner
- 10/10 Score: Module Toxicity & Recycled⁶

Varies by manufacturer⁵

Power Warranty

#1

92% power in year 25

Varies by manufacturer⁵

Warranty Provider

100% SunPower

25-Year Complete Confidence Warranty for panel, racking and microinverter; 10-year for monitoring hardware

4+ pass-through warranties

¹ Publicly available data from the State of California <https://www.californiadgstats.ca.gov/downloads>

² Based on datasheet review of websites of top 20 manufacturers per IHS, as of January 2020.

³ Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018

⁴ SVTC. "Solar Scorecard 2016-17." 2018."

⁵ Due to various suppliers, product specifications and warranties will vary.

⁶ SVTC. "Solar Scorecard 2018-2019"

Why Choose SunPower?

Products you can trust,
performance you can count on



SUNPOWER®

Tesla Solar Panels¹

Years in Solar

35 years

15 years as a publicly traded company

15 years

Tesla acquired Solar City in 2017.
Solar City began installing in 2006.

Solar Cell
Manufactured

2.8 billion

0

Tesla does not manufacture the solar products it sells.

System Integration

100% SunPower

Solar panel, microinverter, racking, monitoring hardware and accessories

Varies

6+ panel manufacturers and 4+ inverter manufacturers²

Panel Efficiency

#1

Up to 22.7%³

Varies by manufacturer⁵

Panel Durability

#1

0.25% / year warranted power drop⁴

Varies by manufacturer⁵

Panel Sustainability

A Leader in Solar Sustainability

- 2019 pv magazine Sustainability Award Winner
- 10/10 Score: Module Toxicity & Recycled⁶

Varies by manufacturer⁵

Power Warranty

#1

92% power in year 25

Varies by manufacturer⁵

Warranty Provider

100% SunPower

25-Year Complete Confidence Warranty for panel, racking and microinverter;
10-year for monitoring hardware

4+ pass-through warranties

¹ Excludes Tesla Solar Roof.

² Publicly available data from the State of California <https://www.californiadgstats.ca.gov/downloads>

³ Based on datasheet review of websites of top 20 manufacturers per IHS, as of January 2020.

⁴ Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018.

⁵ Due to various suppliers, product specifications and warranties will vary.

⁶ SVTC. "Solar Scorecard 2018-2019"

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SUNPOWER®

Sunrun¹

Years in Solar

35 years

15 years as a publicly traded company

13 years

5 years as a publicly traded company

Solar Cell
Manufactured

2.8 billion

0

SunRun does not manufacture the solar products it sells

System Integration

100% SunPower

Solar panel, microinverter, racking, monitoring hardware and accessories

Varies

5+ panel manufacturers and 3+ inverter manufacturers¹

Panel Efficiency

#1

Up to 22.7%²

Varies by manufacturer⁵

Panel Durability

#1

0.25% / year warranted power drop³

Varies by manufacturer⁵

Panel Sustainability

A Leader in Solar Sustainability

- 2019 pv magazine Sustainability Award Winner
- 10/10 Score: Module Toxicity & Recycled⁶

Varies by manufacturer⁵

Power Warranty

#1

92% power in year 25

Varies by manufacturer⁵

Warranty Provider

100% SunPower

25-Year Complete Confidence Warranty for panel, racking and microinverter; 10-year for monitoring hardware

4+ pass-through warranties

1 Publicly available data from the State of California <https://www.californiadgstats.ca.gov/downloads>

2 Based on datasheet review of websites of top 20 manufacturers per IHS, as of January 2020.

3 Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018

4 SVTC. "Solar Scorecard 2016-17." 2018.

5 Due to various suppliers, product specifications and warranties will vary.

6 SVTC. "Solar Scorecard 2018-2019"

Why Choose SunPower?

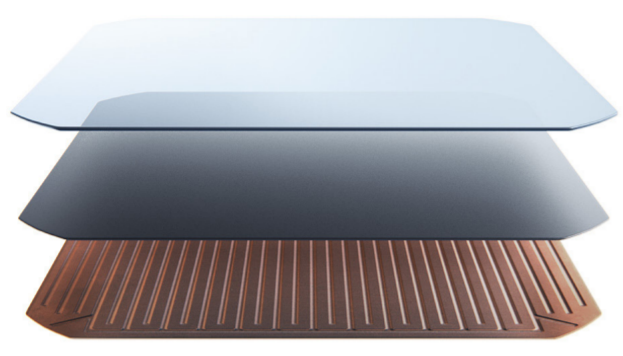

Products you can trust,
performance you can count on



SunPower® A-Series AC Module

SunPower Advantage

Panasonic HIT+ PV Module²

| | | | | |
|-----------------------------------|---|--|--|--|
| Company |  | The Leader in Solar Innovation <ul style="list-style-type: none"> • 100% solar and energy focus since 1985 • #1 in Solar R&D¹ • Over 1,000 Solar Patents received¹ | Solar Expertise | <ul style="list-style-type: none"> • Primary focus on consumer electronics, appliances, and automotive products |
| Solar Cell |  | Fundamentally Different. And Better. <ul style="list-style-type: none"> • Metal backing prevents failure due to breakage and corrosion. • Proven across 1 billion cells and extensive third party reliability testing. | Proven Durability | <ul style="list-style-type: none"> • Does not use a back contact cell with metal foundation. Subject to failure from breakage and corrosion. • No long-term third party reliability testing or field reports found on product datasheets or website.² |
| Solar Panel |  | Higher Lifetime Production³ <ul style="list-style-type: none"> • Up to 22.5% efficient Unmatched Reliability⁴ <ul style="list-style-type: none"> • 0.25%/yr warranted power drop | 11% More 25-Year Energy⁵ | <ul style="list-style-type: none"> • Up to 20.3% efficient • 0.26%/yr warranted power drop |
| System Integration |  | The Power of One® <ul style="list-style-type: none"> • Part of fully integrated SunPower Equinox® system | 100% SunPower | <ul style="list-style-type: none"> • Panasonic panels only • Complete system requires inverters, racking, and monitoring • 4+ pass-through warranties to cover all core components |
| Product and Power Warranty |  | Highest Power Warranty <ul style="list-style-type: none"> • 92% power in year 25 Based on Actual Field Data <ul style="list-style-type: none"> • 800,000 Panels • 149 Sites • NREL Methodology | Data-Driven, Industry-Best Warranty | <ul style="list-style-type: none"> • 90.8% power in year 25 • Based on Panasonic's internal test data with: <ul style="list-style-type: none"> • Ideal Lab Conditions • No Public Field Data |
| Sustainability |  | A Leader in Solar Sustainability <ul style="list-style-type: none"> • 2019 pv magazine Award Winner • 10/10 Score: Module Toxicity & Recycled Content⁶ | Sustainably Built | <ul style="list-style-type: none"> • 0/10 Score: Module Toxicity & Recycled Content⁶ |

1 SunPower has the highest R&D investment for silicon based solar. Based on cumulative investment since 2007. Osborne. "Solar manufacturing industry R&D spending in 2017 hits new high." PVTech.com. 2018.

2 Panasonic warranty terms as of August of 2019.

3 Based on datasheet review of websites of top 20 manufacturers per IHS, as of January 2020.

4 Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018.


5 SunPower 420 W, 22.5% efficient, compared to a 340W, 20.3% efficient Panasonic HIT+ Panel on same-sized arrays.

6 SVTC. "Solar Scorecard 2018-2019".

SunPower® A-Series AC Module

SunPower Advantage

LG NeON R¹

| | | | | |
|-----------------------------------|---|--|--|--|
| Company |  | The Leader in Solar Innovation <ul style="list-style-type: none"> • 100% solar and energy focus since 1985 • #1 in Solar R&D² • Over 1,000 Solar Patents received² | Solar Expertise | <ul style="list-style-type: none"> • Primary focus on home entertainment and appliances • Began solar manufacturing in 2010³ |
| Solar Cell |  | Fundamentally Different. And Better. <ul style="list-style-type: none"> • Metal backing prevents failure due to breakage and corrosion. • Proven across 1 billion cells and extensive third party reliability testing. | Proven Durability | <ul style="list-style-type: none"> • Does not use a back contact cell with metal foundation. Subject to failure from breakage and corrosion. • No long-term third party reliability testing or field reports found on product datasheets or website.¹ |
| Solar Panel |  | Higher Lifetime Production⁴ <ul style="list-style-type: none"> • Up to 22.5% efficient Unmatched Reliability⁵ <ul style="list-style-type: none"> • 0.25%/yr warranted power drop | 6% More 25-Year Energy⁶ | <ul style="list-style-type: none"> • Up to 21.4% efficient • 0.3%/yr warranted power drop |
| System Integration |  | The Power of One® <ul style="list-style-type: none"> • Part of fully integrated SunPower Equinox® system | 100% SunPower | <ul style="list-style-type: none"> • 4+ pass-through warranties to cover all core components |
| Product and Power Warranty |  | Highest Power Warranty <ul style="list-style-type: none"> • 92% power in year 25 Based on Actual Field Data <ul style="list-style-type: none"> • 800,000 Panels • 149 Sites • NREL Methodology | Data-Driven, Industry-Best Warranty | <ul style="list-style-type: none"> • 90.8% power in year 25 • Based on LG's internal test data with: <ul style="list-style-type: none"> • Ideal Lab Conditions • No Public Field Data |
| Sustainability |  | A Leader in Solar Sustainability <ul style="list-style-type: none"> • 2019 pv magazine Award Winner • 10/10 Score: Module Toxicity & Recycled Content⁷ | Sustainably Built | <ul style="list-style-type: none"> • 1/10 Score: Module Toxicity & Recycled Content⁷ |

1 LG warranty terms as of August 2019.

2 SunPower has the highest R&D investment for silicon based solar. Based on cumulative investment since 2007. Osborne. "Solar manufacturing industry R&D spending in 2017 hits new high." PVTech.com. 2018.

3 LG launched their first solar panel in mass production in 2010.

4 Based on datasheet review of websites of top 20 manufacturers per IHS, as of January 2020.

5 Jordan, et. al. Robust PV Degradation Methodology and Application. PVSC 2018.

6 SunPower 420 W, 22.5% efficient, compared to 350W. 20.4% efficient LG NeON2 Panel on same-sized arrays.

7 SVTC. "Solar Scorecard 2018-2019".