

## SunPower® A-Series AC Module

### SunPower Advantage

## Panasonic HIT+ PV Module<sup>2</sup>

<b>Company</b>		<b>The Leader in Solar Innovation</b> <ul style="list-style-type: none"> <li>• 100% solar and energy focus since 1985</li> <li>• #1 in Solar R&amp;D<sup>1</sup></li> <li>• Over 1,000 Solar Patents received<sup>1</sup></li> </ul>	<b>Solar Expertise</b>	<ul style="list-style-type: none"> <li>• Primary focus on consumer electronics, appliances, and automotive products</li> </ul>
<b>Solar Cell</b>		<b>Fundamentally Different. And Better.</b> <ul style="list-style-type: none"> <li>• Metal backing prevents failure due to breakage and corrosion.</li> <li>• Proven across 1 billion cells and extensive third party reliability testing.</li> </ul>	<b>Proven Durability</b>	<ul style="list-style-type: none"> <li>• Does not use a back contact cell with metal foundation. Subject to failure from breakage and corrosion.</li> <li>• No long-term third party reliability testing or field reports found on product datasheets or website.<sup>2</sup></li> </ul>
<b>Solar Panel</b>		<b>Higher Lifetime Production<sup>3</sup></b> <ul style="list-style-type: none"> <li>• Up to 22.5% efficient</li> </ul> <b>Unmatched Reliability<sup>4</sup></b> <ul style="list-style-type: none"> <li>• 0.25%/yr warranted power drop</li> </ul>	<b>11% More 25-Year Energy<sup>5</sup></b>	<ul style="list-style-type: none"> <li>• Up to 20.3% efficient</li> <li>• 0.26%/yr warranted power drop</li> </ul>
<b>System Integration</b>		<b>The Power of One®</b> <ul style="list-style-type: none"> <li>• Part of fully integrated SunPower Equinox® system</li> </ul>	<b>100% SunPower</b>	<ul style="list-style-type: none"> <li>• Panasonic panels only</li> <li>• Complete system requires inverters, racking, and monitoring</li> <li>• 4+ pass-through warranties to cover all core components</li> </ul>
<b>Product and Power Warranty</b>		<b>Highest Power Warranty</b> <ul style="list-style-type: none"> <li>• 92% power in year 25</li> </ul> <b>Based on Actual Field Data</b> <ul style="list-style-type: none"> <li>• 800,000 Panels</li> <li>• 149 Sites</li> <li>• NREL Methodology</li> </ul>	<b>Data-Driven, Industry-Best Warranty</b>	<ul style="list-style-type: none"> <li>• 90.8% power in year 25</li> <li>• Based on Panasonic's internal test data with: <ul style="list-style-type: none"> <li>• Ideal Lab Conditions</li> <li>• No Public Field Data</li> </ul> </li> </ul>
<b>Sustainability</b>		<b>A Leader in Solar Sustainability</b> <ul style="list-style-type: none"> <li>• 2019 pv magazine Award Winner</li> <li>• 10/10 Score: Module Toxicity &amp; Recycled Content<sup>6</sup></li> </ul>	<b>Sustainably Built</b>	<ul style="list-style-type: none"> <li>• 0/10 Score: Module Toxicity &amp; Recycled Content<sup>6</sup></li> </ul>

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".