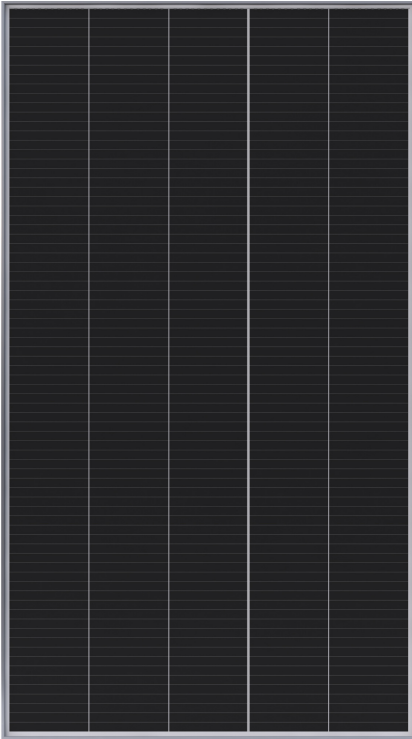


## PERFORMANCE 6 | 535–555

POWER RANGE: 535 – 555 W

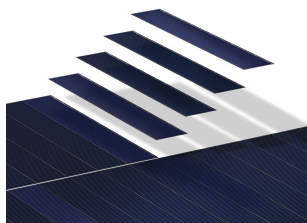
The Performance 6 panel is engineered to meet the unique needs of solar power plants. Bifacial power generation and G12 (210mm) cell technology combine to maximise power density, while its framed glass/glass construction offers greater durability for extended panel life.

Backed by a comprehensive warranty and an estimated 35-year useful life,<sup>1</sup> Performance panels wrap conventional front contact cells with 35 years of materials, engineering and manufacturing expertise to mitigate the reliability challenges of Conventional Panel design.



### Engineered for Performance

- Smaller cells stay cooler when shaded, extending panel life<sup>3</sup>
- An advanced encapsulant minimizes degradation from environmental exposure
- Conductive adhesive defends against daily temperature swings
- Redundant cell connections create flexible paths for continuous electricity flow



### Durability that Translates to More Energy

Engineered to stand up to environmental stresses such as shading, daily temperature swings and high humidity, the Performance 6 is a high power panel uniquely suited for power plant EPCs and developers looking to maximize energy production.

### A Track Record of Innovation Leadership

Performance panels represent the most deployed shingled cell panel in the industry—innovation protected by a growing portfolio of patents worldwide.<sup>2</sup>



6+ GW  
Deployed



60+  
Countries



90+  
Patents

### A Better Product. A Better Warranty.

The Performance 6 panel is backed by a 12-year product and 30-year power warranty.

- |   |       |
|---|-------|
| • Year 1 Minimum Warranted Power Output | 98.0% |
| • Maximum Annual Degradation            | 0.45% |
| • Year 30 Warranted Power Output        | 85.0% |

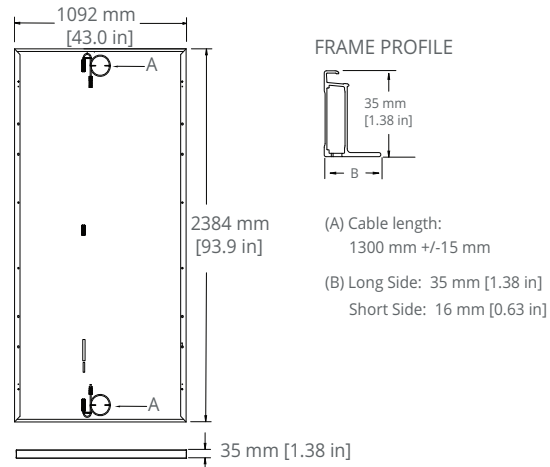
PERFORMANCE 6 POWER: 535 – 555 W

| Electrical Data, Front STC Characteristics <sup>4</sup> |                |                |                |                |                |
|---|----------------|----------------|----------------|----------------|----------------|
| Model   | SPR-P6-555-UPP | SPR-P6-550-UPP | SPR-P6-545-UPP | SPR-P6-540-UPP | SPR-P6-535-UPP |
| Nominal Power (P <sub>nom</sub> ) <sup>4</sup>          | 555 W          | 550 W          | 545 W          | 540 W          | 535 W          |
| Power Tolerance   | +3/0%          | +3/0%          | +3/0%          | +3/0%          | +3/0%          |
| Efficiency  | 21.3%          | 21.1%          | 20.9%          | 20.7%          | 20.6%          |
| Rated Voltage (V <sub>mp</sub> )                        | 40.0 V         | 39.7 V         | 39.5 V         | 39.3 V         | 39.0 V         |
| Rated Current (I <sub>mp</sub> )                        | 13.89 A        | 13.85 A        | 13.80 A        | 13.76 A        | 13.71 A        |
| Open-Circuit Voltage (V <sub>oc</sub> )                 | 47.3 V         | 47.1 V         | 46.9 V         | 46.7 V         | 46.5 V         |
| Short-Circuit Current (I <sub>sc</sub> )                | 14.73 A        | 14.68 A        | 14.64 A        | 14.59 A        | 14.54 A        |
| Maximum System Voltage                                  | 1500 V UL      |                |                |                |                |
| Maximum Series Fuse                                     | 25 A           |                |                |                |                |
| Power Temp. Coef.                                       | -0.34% / °C    |                |                |                |                |
| Voltage Temp. Coef.                                     | -0.28% / °C    |                |                |                |                |
| Current Temp. Coef.                                     | 0.06% / °C     |                |                |                |                |

| Bifacial Characteristics         |            |         |         |         |         |
|----------------------------------|------------|---------|---------|---------|---------|
| Bifaciality (φP <sub>max</sub> ) | 70% +/-10% |         |         |         |         |
| P <sub>max</sub> BiF05           | 583 W      | 578 W   | 572 W   | 567 W   | 562 W   |
| I <sub>sc</sub> BiF05            | 15.46 A    | 15.41 A | 15.37 A | 15.31 A | 15.26 A |
| P <sub>max</sub> BiF10           | 611 W      | 605 W   | 600 W   | 594 W   | 589 W   |
| I <sub>sc</sub> BiF10            | 16.20 A    | 16.14 A | 16.10 A | 16.04 A | 15.99 A |
| P <sub>max</sub> BiF20           | 666 W      | 660 W   | 654 W   | 648 W   | 642 W   |
| I <sub>sc</sub> BiF20            | 17.67 A    | 17.61 A | 17.56 A | 17.50 A | 17.44 A |

| Tests And Certifications (Pending) |   |
|------------------------------------|---|
| Standard Tests                     | UL 61730, UL 61215                                  |
| Quality Certs                      | ISO 9001:2015, ISO 14001:2015                       |
| EHS Compliance                     | ISO 45001-2018, Recycling Scheme                    |
| Ammonia Test                       | IEC 62716   |
| Desert Test                        | MIL-STD-810G  |
| Salt Spray Test                    | IEC 61701 (maximum severity)                        |
| LeTID Test <sup>5</sup>            | IEC 61215 (MQT 23.1 LeTID detection) draft standard |
| PID Test                           | IEC 62804   |
| Available Listings <sup>6</sup>    | UL  |

| 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)  |
| Solar Cells                             | Monocrystalline PERC   |
| Tempered Glass                          | High-transmission tempered anti-reflective   |
| Junction Box                            | IP-68, Zerun Z4S, 3 bypass diodes  |
| Weight                                  | 71.4 lbs (32.4 kg)   |
| Max. Load                               | Wind: 50 psf, 2400 Pa, 244 kg/m <sup>2</sup> back<br>Snow: 112 psf, 5400 Pa, 550 kg/m <sup>2</sup> front |
| Frame                                   | Class 2 silver anodized  |



Please read the safety and installation guide.

1 Performance panels expected useful life of 35 years. Source: "P-Series Technology Technical Review," Leidos Independent Engineer Report. 2016.  
 2 Osborne. "SunPower supplying P-Series modules to a 125MW NextEra project." PV-Tech.org. March 2017.  
 3 Performance Series – Thermal Performance, Z.Campeau 2016.  
 4 Measured at Standard Test Conditions (STC): irradiance of 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature 25° C.  
 5 Fraunhofer CSP LID Sensitivity according to IEC 61215 (MQT 23.1 LeTID detection), 0.5% power loss at 700 hours.  
 6. Cert only covers front side performance.

Designed in the U.S.A.  
 Assembled in Mexico

Specifications included in this datasheet are subject to change without notice.

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