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, 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.

**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.

**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%
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/m²
- Snow: 112 psf, 5400 Pa, 550 kg/m²

Frame: Class 2 silver anodized

Tests and Certifications (Pending):
- Standard Tests: UL 61730, UL 61215
- 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: IEC 61215 (MQT 23.1 LeTID detection) draft standard
- PID Test: IEC 62804
- Available Listings: UL

Bifacial Characteristics:
- Bifaciality (qPmax): 70%+/−10%
- PmaxBIF05: 583 W, 578 W, 572 W, 567 W, 562 W
- IscBIF05: 15.46 A, 15.41 A, 15.37 A, 15.31 A, 15.26 A
- PmaxBIF10: 611 W, 605 W, 600 W, 594 W, 589 W
- IscBIF20: 17.67 A, 17.61 A, 17.56 A, 17.50 A, 17.44 A

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/m² back
  - Snow: 112 psf, 5400 Pa, 550 kg/m² front
- Frame: Class 2 silver anodized

Performance Series – Thermal Performance, Z. Campeau 2016
4 Measured at Standard Test Conditions (STC): irradiance of 1000 W/m², AM 1.5, and cell temperature 25°C.
5 Fraunhofer CSP UID 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.