Backsheet Monocrystalline Module

410 W+ MAXIMUM POWER OUTPUT
0/+5 W POSITIVE POWER TOLERANCE
21.3 % MAXIMUM EFFICIENCY

Small in size, big on power
- Generates up to 410 W, 21.3 % module efficiency with high density interconnect technology
- Multi-busbar technology for better light trapping, lower series resistance, improved current collection and enhanced reliability
- Excellent low light performance (IAM) with cell process and module material optimization

Universal solution for residential and C&I rooftops
- Designed for compatibility with existing mainstream inverters, optimizers and mounting systems
- Perfect size and low weight for easy handling, Optimized transportation cost
- Reduces installation cost with higher power bin and efficiency
- Flexible installation solutions for system deployment

High Reliability
- 6,000 Pa snow load (test load)
- 4,000 Pa wind load (test load)

Extended Vertex S Warranty
2 % 1st year max. degradation
0.55 % Max. annual degradation from year 2 to 25
15 Years Product Workmanship Warranty

Comprehensive Product and System Certificates
IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupational Health and Safety Management System
**ELECTRICAL DATA (STC)**

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*STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5. **Measured tolerance: ±3%.

**ELECTRICAL DATA (NOCT)**

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*NOCT: Irradiance at 800 W/m², Ambient Temperature 40 °C, Wind Speed 1 m/s.

**MECHANICAL DATA**

- **Solar Cells**: Monocrystalline
- **No. of cells**: 120 cells
- **Module Dimensions**: 1754 × 1096 × 30 mm
- **Weight**: 21.0 kg
- **Glass**: 3.2 mm, High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant material**: EVA/POE
- **Backsheet**: White
- **Frame**: 30 mm Anodized Aluminium Alloy
- **Connector**: IP 68 rated
- **Cables**: Photovoltaic Technology Cable 4.0 mm²
  - Landscape: 1100/1100 mm
  - Portrait: 280/280 mm*

*Special order only

**TEMPERATURE RATINGS**

- **NOCT (Nominal Operating Cell Temperature)**: -43 °C (±2 K)
- **Temperature Coefficient of PMAX**: -0.34 %/K
- **Temperature Coefficient of VMPP**: -0.25 %/K
- **Temperature Coefficient of IMPP**: 0.04 %/K

**WARRANTY**

- **15 Year product workmanship warranty**
- **25 Year power warranty**
- **2 % First year degradation**
- **0.55 % Annual power degradation**

*(Please refer to the applicable limited warranty for details)*

**CAUTION**: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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