



FixSun is a series of panels designed in Finland for challenging weather conditions. The new 5BB technology guarantees the most effective panels of the market, which are also able to make the most of the scattering on cloudy weather.

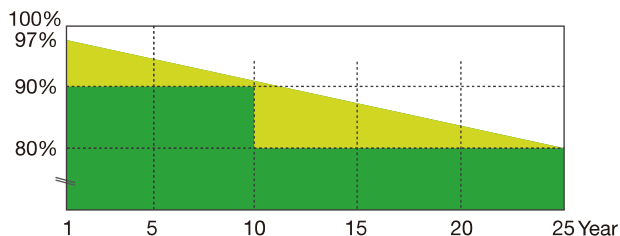
FXN-300P-60/5BB Polycrystalline 60 cells 280w-300w

1 *Reliable Quality*

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 *Superior Warranty*

- 25-year product warranty
- 25-year linear power output warranty



3 *Key features*



Polycrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

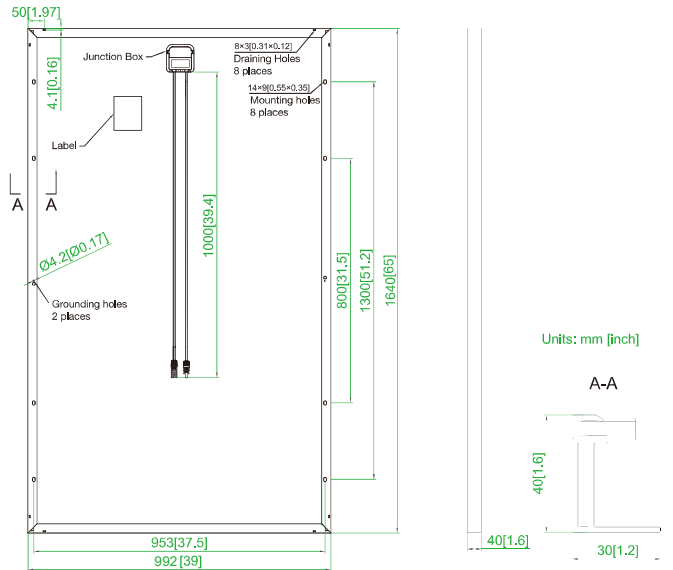
Mechanical Parameters

| | |
|---|----------------|
| Cell (mm) | Poly 156x156 |
| Weight (kg) | 18 (approx) |
| Glass Thickness | 4/3.2mm |
| Dimensions (LxWxH) (mm) | 1640x992x35 |
| Cable Cross Section Size (mm ²) | 4 |
| No. of Cells and Connections | 606x10 |
| Junction Box | IP67, 3 diodes |
| Connector | MC4 Compatible |
| Packaging Configuration | 30 Per Pallet |

Working Conditions

| | |
|--|----------------------------------|
| Maximum System Voltage | DC 1000V (IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 15A |
| Maximum Static Load, Front (e.g., snow and wind) | 5400Pa (112 lb/ft ²) |
| Maximum Static Load, Back (e.g., wind) | 2400Pa (50 lb/ft ²) |
| NOCT | 45±2°C |
| Application Class | Class A |

Engineering Drawings

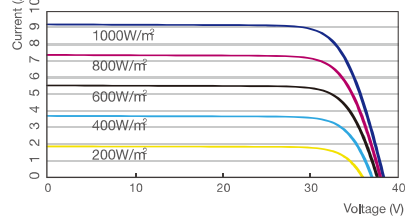


Electrical Parameters

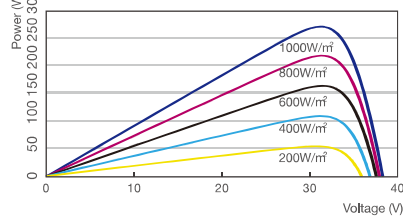
| Module | FXN-280P-60 | FXN-285P-60 | FXN-290P-60 | FXN-295P-60 | FXN-300P-60 |
|--|---|-------------|-------------|-------------|-------------|
| Rated Maximum Power at STC (W) | 280 | 285 | 290 | 295 | 300 |
| Open Circuit Voltage (Voc/V) | 38.85 | 38.95 | 39.63 | 40.02 | 40.41 |
| Maximum Power Voltage (Vmp/V) | 31.88 | 32.18 | 32.56 | 32.90 | 33.24 |
| Short Circuit Current (Isc/A) | 9.33 | 9.43 | 9.56 | 9.63 | 9.70 |
| Maximum Power Current (Imp/A) | 8.78 | 8.85 | 8.91 | 8.97 | 9.03 |
| Module Efficiency [%] | 17.12 | 17.55 | 17.86 | 18.16 | 18.47 |
| Power Tolerance (W) | | | -0~+5W | | |
| Temperature Coefficient of Isc (αIsc) | | | +0.058%/°C | | |
| Temperature Coefficient of Voc (βVoc) | | | -0.330%/°C | | |
| Temperature Coefficient of Pmax (γPmp) | | | -0.410%/°C | | |
| STC | Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5 | | | | |

I-V Curve

Current-Voltage Curve (BSM285P-60)



Power-Voltage Curve (BSM285P-60)



Current-Voltage Curve (BSM285P-60)

