

***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.***

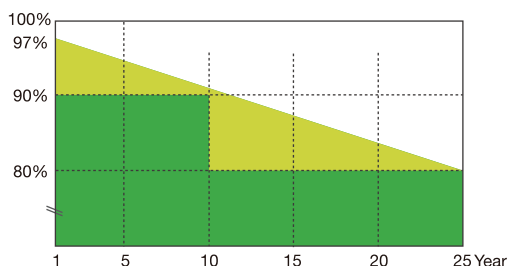
## ***FXN320M-60/5BB Monocrystalline 60 cells 300w-330w***

### **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*



Monocrystalline 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 SUD

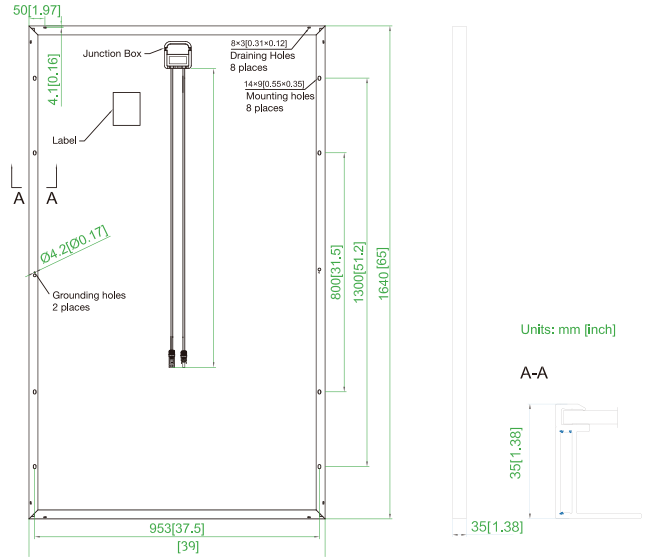
## Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	18.2 (approx)
Glass Thickness	4/3.2mm
Dimensions (L×W×H) (mm)	1650x992x35
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	60 (6×10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

## Working Conditions

Maximum System Voltage	DC 1000V/1500V(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft <sup>2</sup> )
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Application Class	Class A

## Engineering Drawings

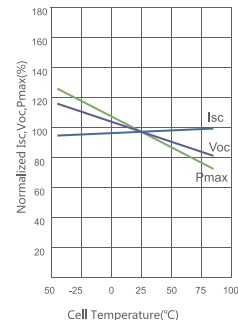
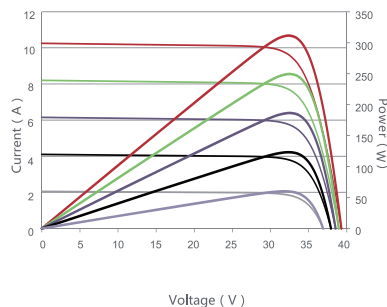


## Electrical Parameters

Module	FXN300M-60	FXN310M-60	FXN320M-60	FXN330M-60
Rated Maximum Power at STC (W)	300	310	320	330
Open Circuit Voltage (Voc/V)	39.82	40.18	40.9	41.3
Maximum Power Voltage (Vmp/V)	32.51	32.95	33.4	33.8
Short Circuit Current (Isc/A)	9.84	10.08	10.15	10.34
Maximum Power Current (Imp/A)	9.23	9.41	9.59	9.77
Module Efficiency [%]	18.44	19.05	19.66	20.28
Power Tolerance (W)		-0~+5W		
Temperature Coefficient of Isc (αIsc)		+0.048%/°C		
Temperature Coefficient of Voc (βVoc)		-0.280%/°C		
Temperature Coefficient of Pmax (γPmp)		-0.370%/°C		
STC	Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5			

## I-V Curve

Current-Voltage & Power-Voltage Curves (310W)



Temperature Dependence of Isc, Voc, Pmax