

ENV325P-72

Polycrystalline 72 Cells 305W-325W

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

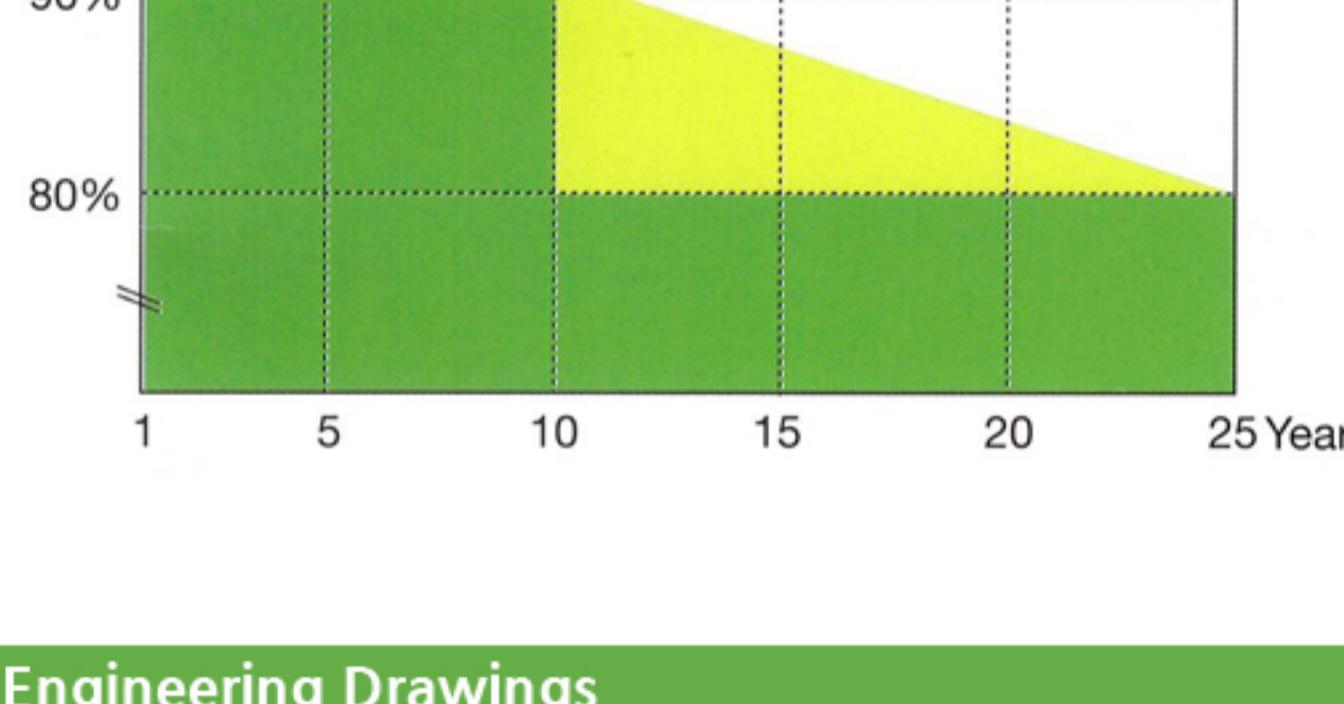


Reliable Quality

- 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

Superior Warranty

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



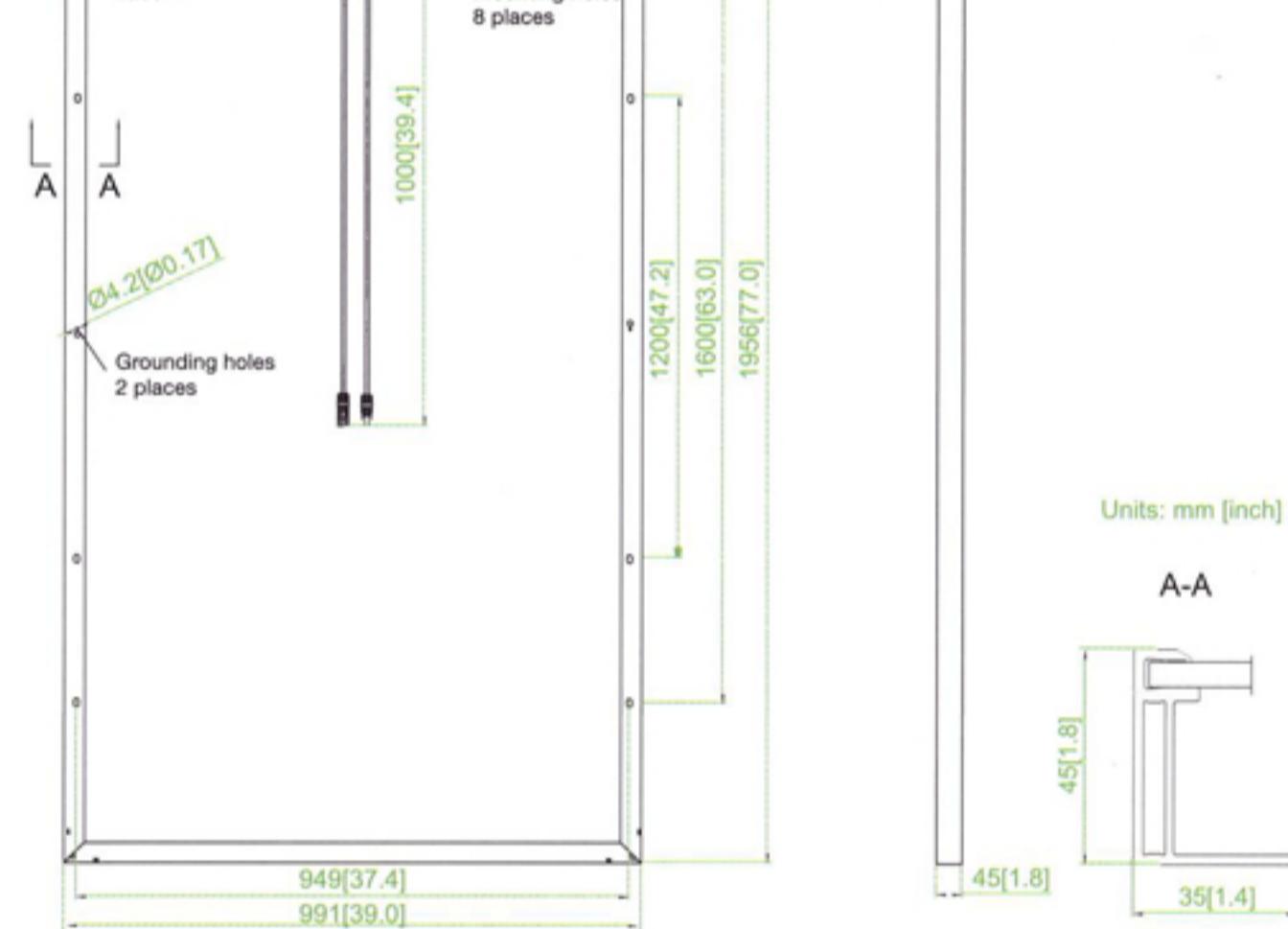
Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	26 (approx)
Glass Thickness	4 / 3.2 mm
Dimensions (LxWxH) (mm)	1956x991x45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	23 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	ENV305P-72	ENV310P-72	ENV315P-72	ENV320P-72	ENV325P-72
Rated Maximum Power at STC (W)	305	310	315	320	325
Open Circuit Voltage (Voc/V)	45.48	45.68	45.98	46.19	46.48
Maximum Power Voltage (Vmpp/V)	36.28	36.51	36.73	36.95	37.17
Short Circuit Current (Isc/A)	8.76	8.83	8.89	8.98	9.05
Maximum Power Current (Impp/A)	8.41	8.49	8.58	8.66	8.74
Module Efficiency [%]	15.73	15.99	16.25	16.51	16.77
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/m², Cell Temperature 25°C, Air Mass 1.5

I-V Curve

