





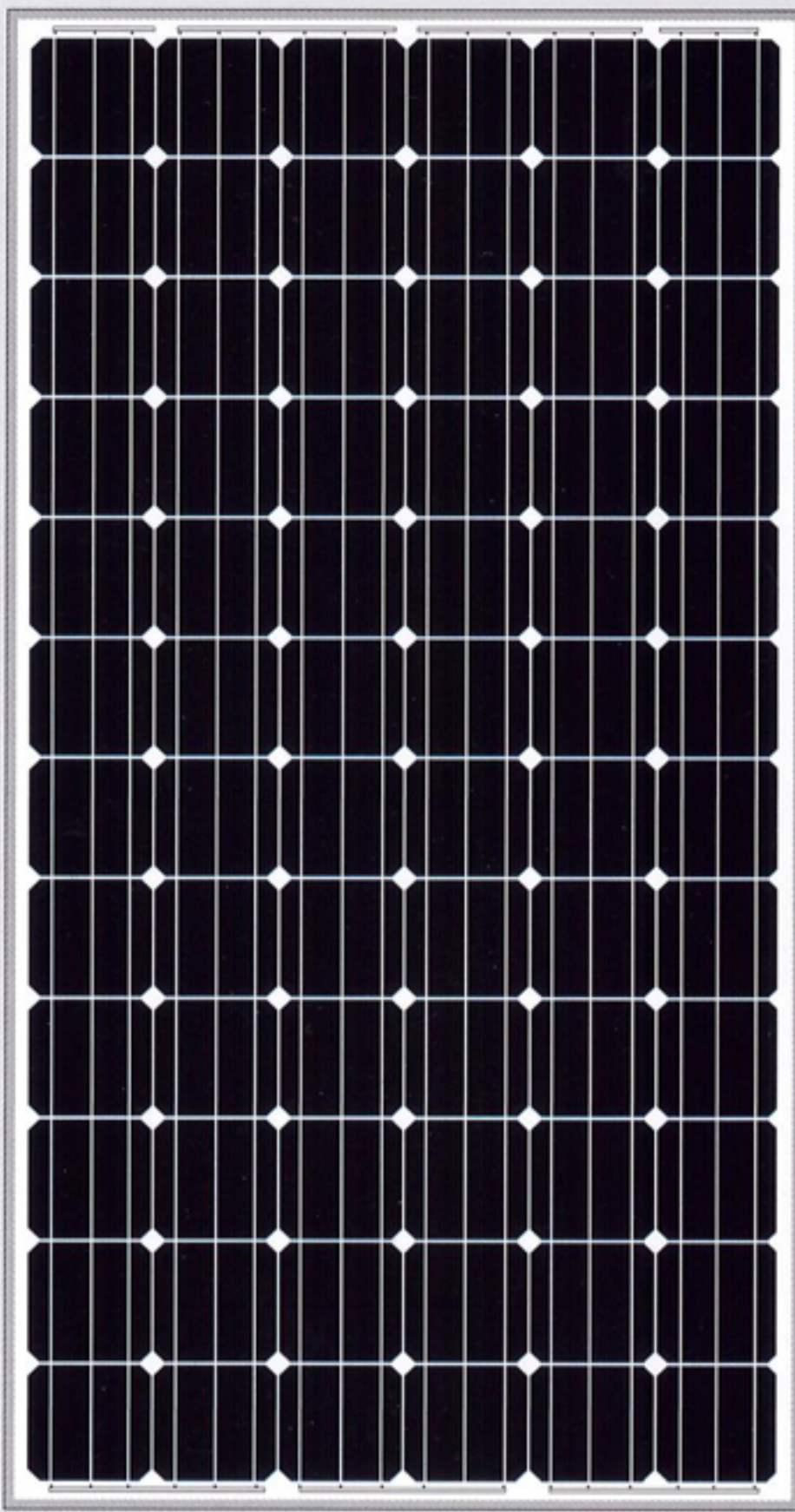


ENV320M-72

Monocrystalline 72 Cells 300W-320W

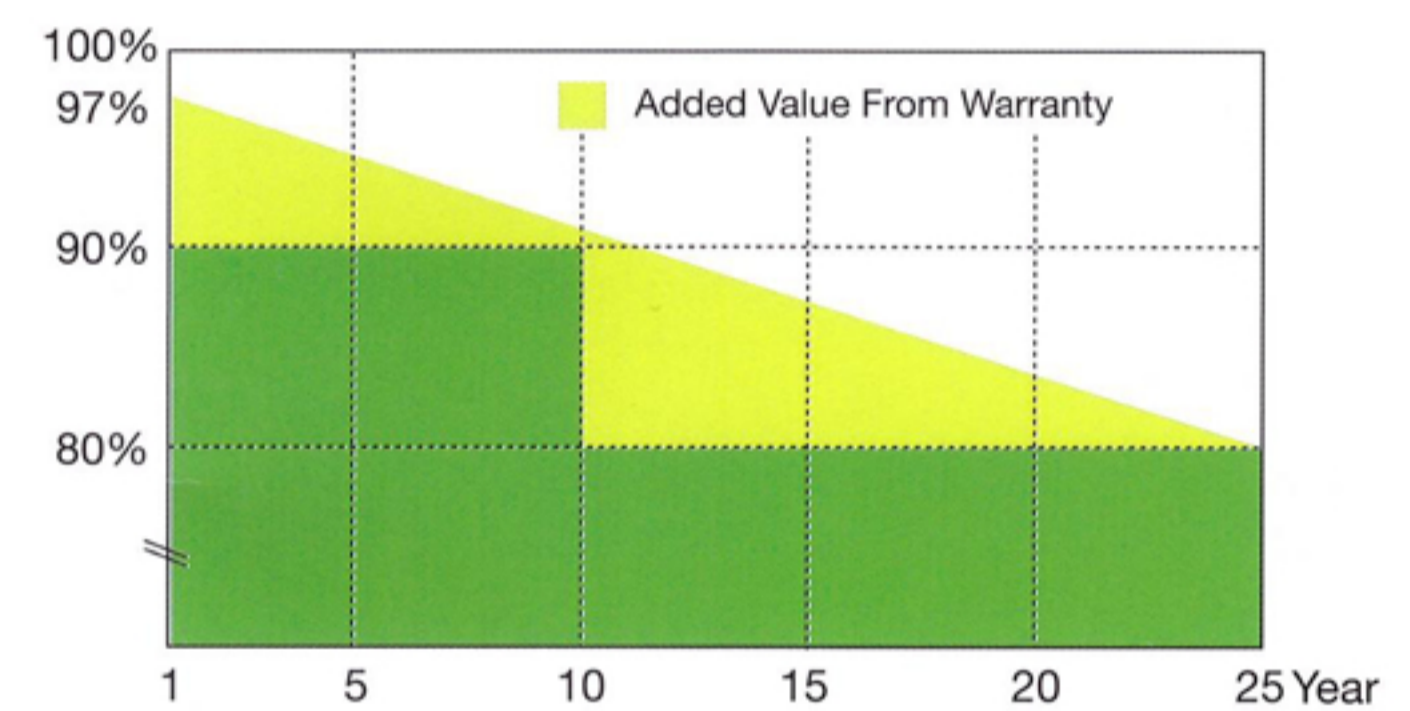
Key Features

-  Monocrystalline modules designed for commercial and solar farm grid-tied applications
-  High power output and highest conversion efficiency of 16.51%
-  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



Superior Warranty

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



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

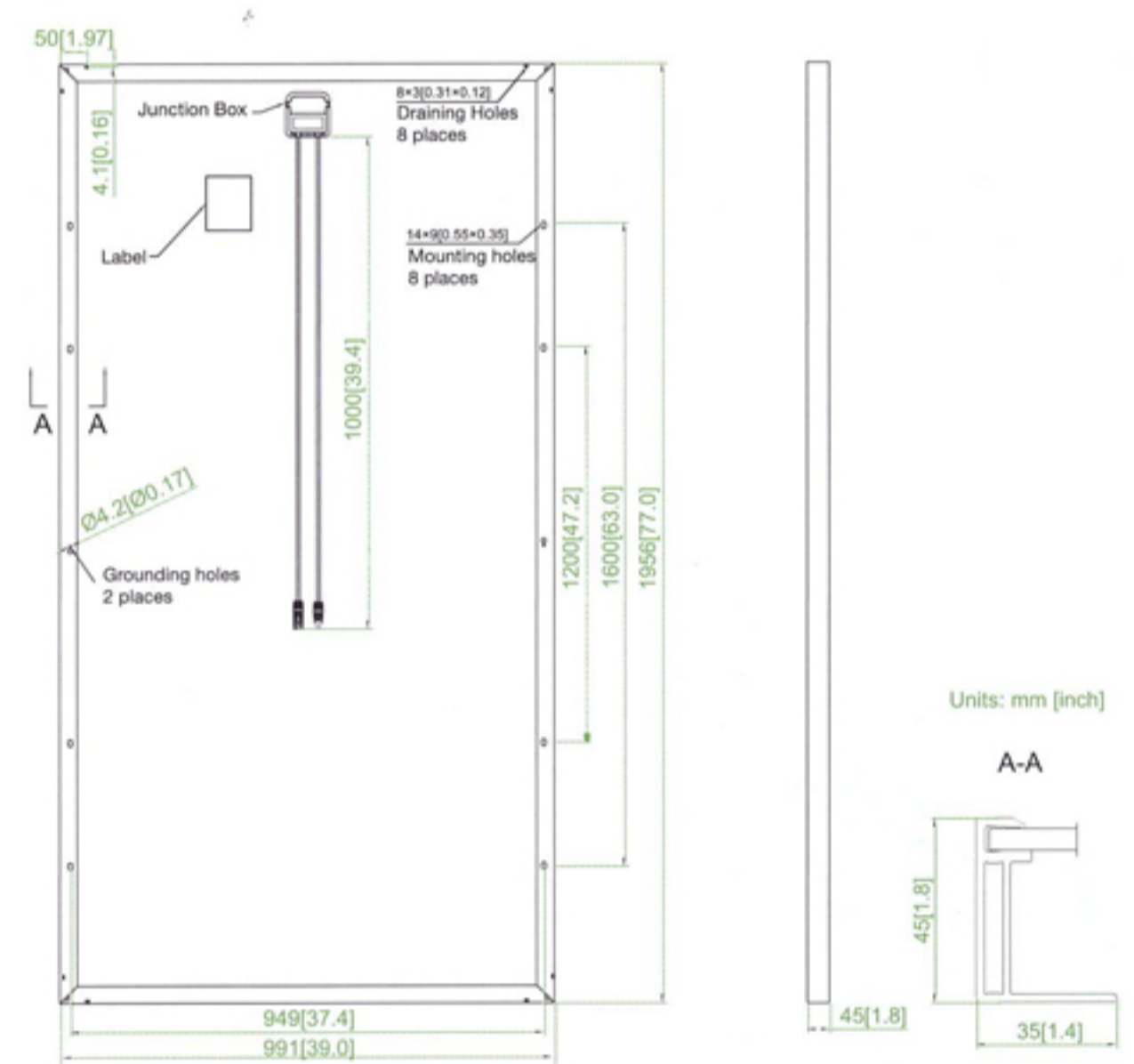
Mechanical Parameters

Cell (mm)	Mono 156×156
Weight (kg)	26 (approx)
Glass Thickness	4/3.2mm
Dimensions (L×W×H) (mm)	1956×991×45
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6×12)
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	ENV300M-72	ENV305M-72	ENV310M-72	ENV315M-72	ENV320M-72
Rated Maximum Power at STC (W)	300	305	310	315	320
Open Circuit Voltage (Voc/V)	45.28	45.41	45.57	45.73	45.86
Maximum Power Voltage (Vmp/V)	36.77	36.93	37.04	37.15	37.35
Short Circuit Current (Isc/A)	8.71	8.78	8.85	8.92	8.99
Maximum Power Current (Imp/A)	8.16	8.26	8.37	8.48	8.57
Module Efficiency [%]	15.48	15.73	15.99	16.25	16.51
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of Isc (αIsc)			+0.059%/°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

