

**TracksunSolar,
For Our Future!**

SUPER QUALITY
HIGH EFFICIENCY
STRONG POWER



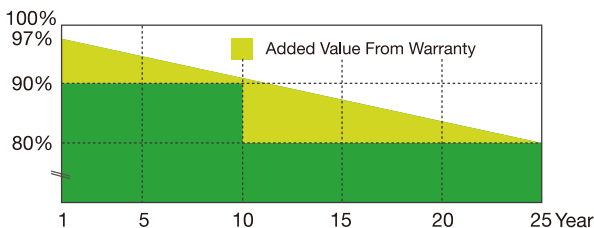
TS-300M-72/Monocrystalline 72 cells 300w

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

- 10-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 NORD



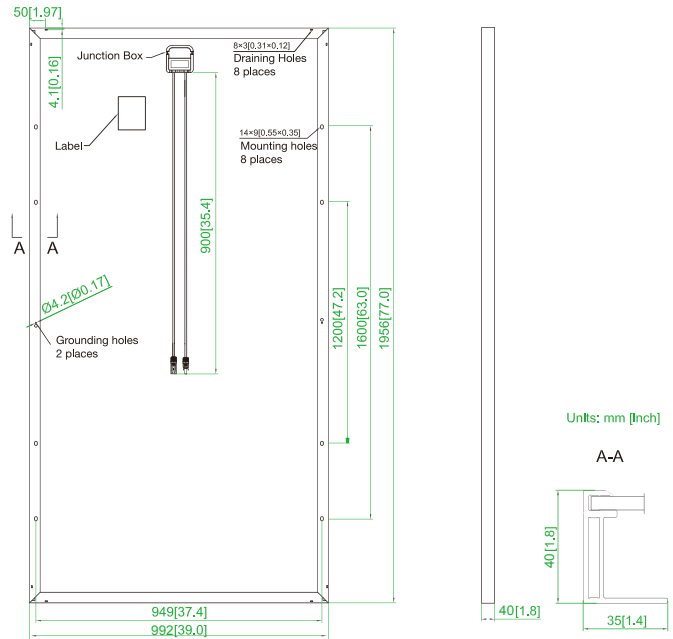
Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	21 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (LxWxH) (mm)	1956x992x40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67
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	TS-300M-72
Peak Power Watts-P _{MAX} (Wp)*	300
Power Output Tolerance-P _{MAX} (W)	0 ~ +5
Maximum Power Voltage-V _{MPP} (V)	37.24
Maximum Power Current-I _{MPP} (A)	8.06
Open Circuit Voltage-V _{OC} (V)	44.66
Short Circuit Current-I _{SC} (A)	9.18
Module Efficiency η _m (%)	15.88
Temperature Coefficient of I _{sc} (αI _{sc})	+0.058%/°C
Temperature Coefficient of V _{oc} (βV _{oc})	-0.330%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.410%/°C
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5

I-V Curve

