

**TracksunSolar,
For Our Future!**

SUPER QUALITY
HIGH EFFICIENCY
STRONG POWER



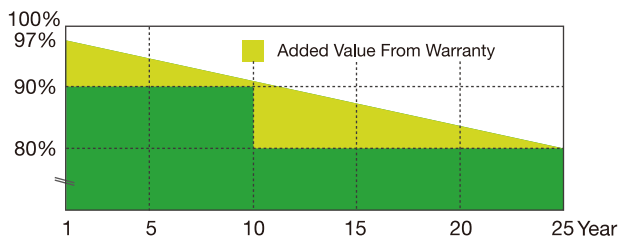
TS-295M-60/ Monocrystalline 60 cells

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



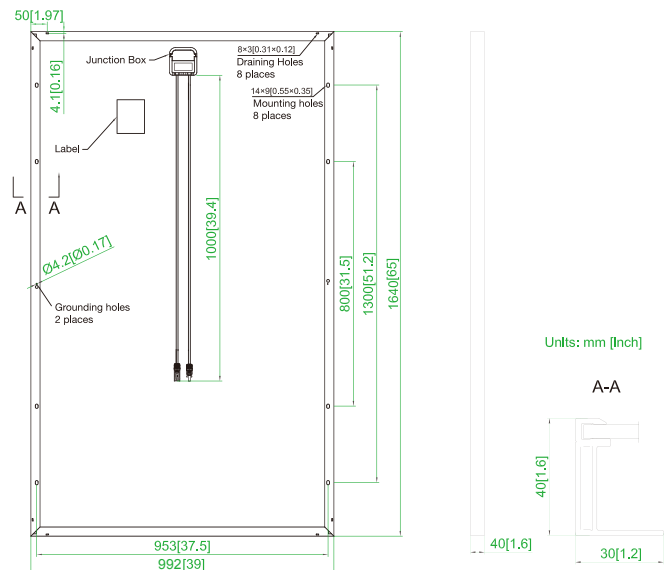
Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	18 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (LxWxH) (mm)	1640*992*35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67
Connector	MC4 Compatible
Packaging Configuration	26 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

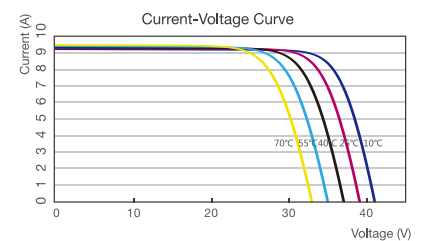
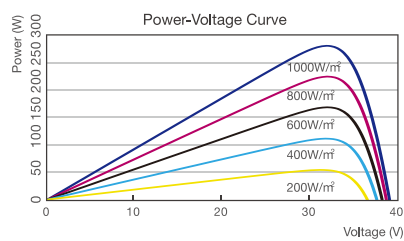
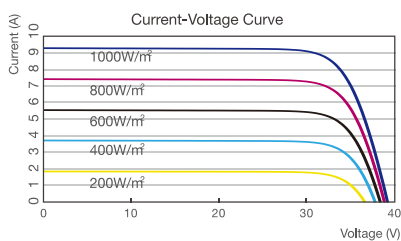
Engineering Drawings



Electrical Parameters

Module	TS-275M-60	TS-280M-60	TS-285M-60	TS-290M-60	TS-295M-60
Rated Maximum Power at STC (W)	275	280	285	290	295
Open Circuit Voltage (Voc/V)	38.86	39.05	39.25	38.85	39.64
Maximum Power Voltage (Vmp/V)	31.51	31.86	31.85	32.07	32.29
Short Circuit Current (Isc/A)	9.27	9.36	9.45	9.56	9.67
Maximum Power Current (Imp/A)	8.72	8.84	8.97	9.11	9.23
Module Efficiency [%]	16.82	17.12	17.43	17.74	18.04
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



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