

**TracksunSolar,
For Our Future!**

SUPER QUALITY
HIGH EFFICIENCY
STRONG POWER



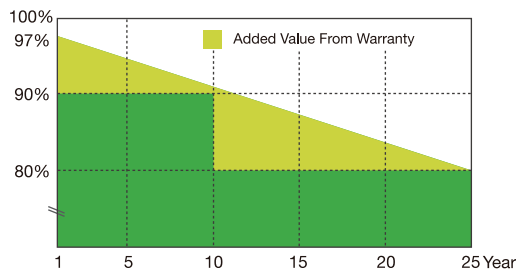
TS-200M-72/ Monocrystalline 72 cells 190w-210w

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

-  Widely using of the most popular and mature type of modules for off-grid system
-  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



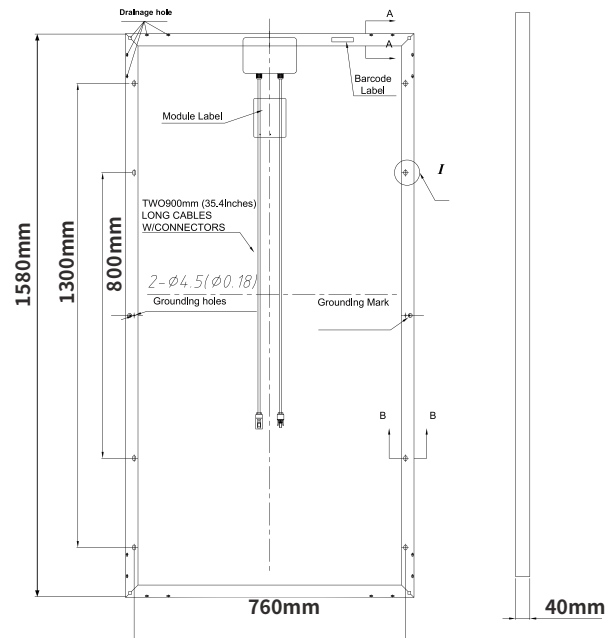
Mechanical Parameters

Cell (mm)	Mono 125x125
Weight (kg)	15 (approx)
Glass Thickness	3.2
Dimensions (LxWxH) (mm)	1580x808x35/40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	72 (6x12)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	25 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 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	190	195	200	205	210
Rated Maximum Power at STC (W)	190	195	200	205	210
Open Circuit Voltage (Voc/V)	45.00	45.10	45.30	45.55	45.80
Maximum Power Voltage (Vmp/V)	36.50	37.00	37.60	37.90	38.00
Short Circuit Current (Isc/A)	5.56	5.63	5.72	5.57	5.83
Maximum Power Current (Imp/A)	5.21	5.28	5.33	5.41	5.53
Module Efficiency [%]	14.86	15.27	15.67	16.06	16.45
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

