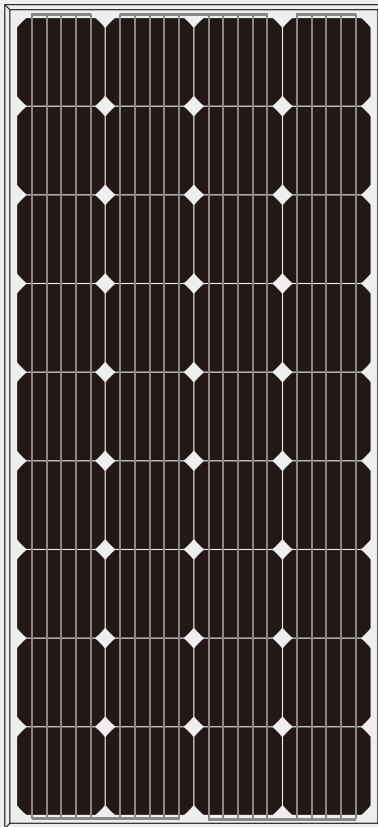


TS-150M-36 Monocrystalline 36 cells 150w-190w



Key Features



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



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



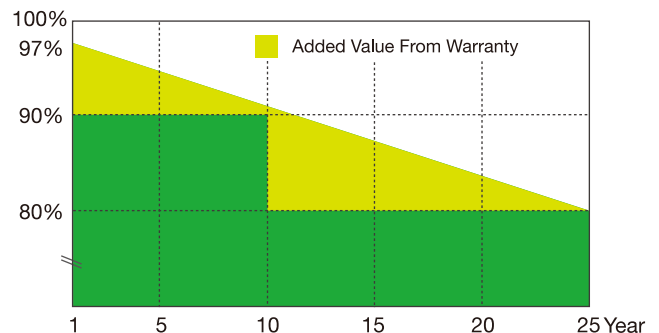
Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



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

TS-150M-36

Monocrystalline 36 cells 150w-190w

TracksunSolar, For our Future!

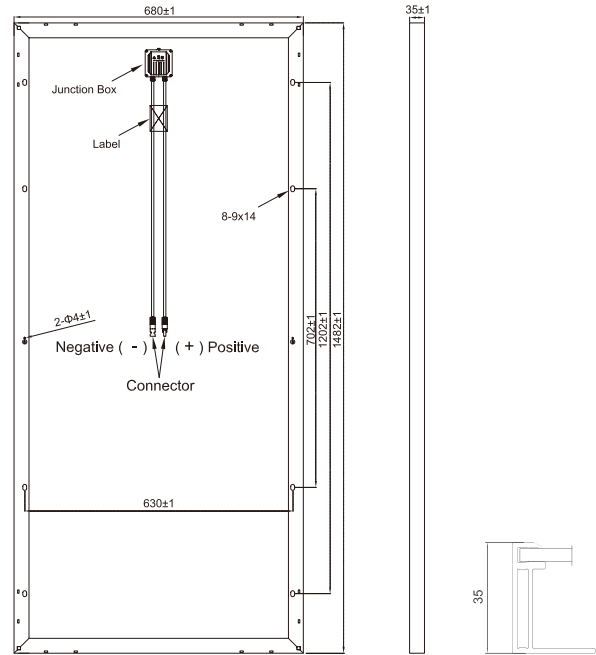
Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	12 (approx)
Glass Thickness	4 / 3.2mm
Dimensions (LxWxH) (mm)	1480x680x35
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	36(4x9)
Junction Box	IP67
Connector	MC4 Compatible
Packaging Configuration	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-150M-36	TS-160M-36	TS-170M-36	TS-180M-36	TS-190M-36
Rated Maximum Power at STC (W)	150	160	170	180	190
Open Circuit Voltage (Voc/V)	22.38	22.60	22.80	23.00	23.20
Maximum Power Voltage (Vmp/V)	17.83	17.86	17.90	18.10	18.30
Short Circuit Current (Isc/A)	8.94	9.49	9.74	10.23	10.70
Maximum Power Current (Imp/A)	8.40	8.78	9.50	9.94	10.38
Module Efficiency [%]	15.06	16.06	17.07	18.15	19.10
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

