

TSP-60 Series

Trunsun High Efficiency Polycrystalline Solar Module

265-280W



High Module Conversion Efficiency

Advanced processing techniques realize great module efficiency to a maximum of 17.23%, steady power output guaranteed.



Positive Tolerance

Positive tolerance delivers higher output reliability



Weak Illumination Response

Excellent performance even under low-light settings, such as dawn, dusk and cloudy day



High Reliability

Successfully passed various strict tests

- Salt Mist Corrosion Test
- Ammonia Corrosion Test
- PID Test



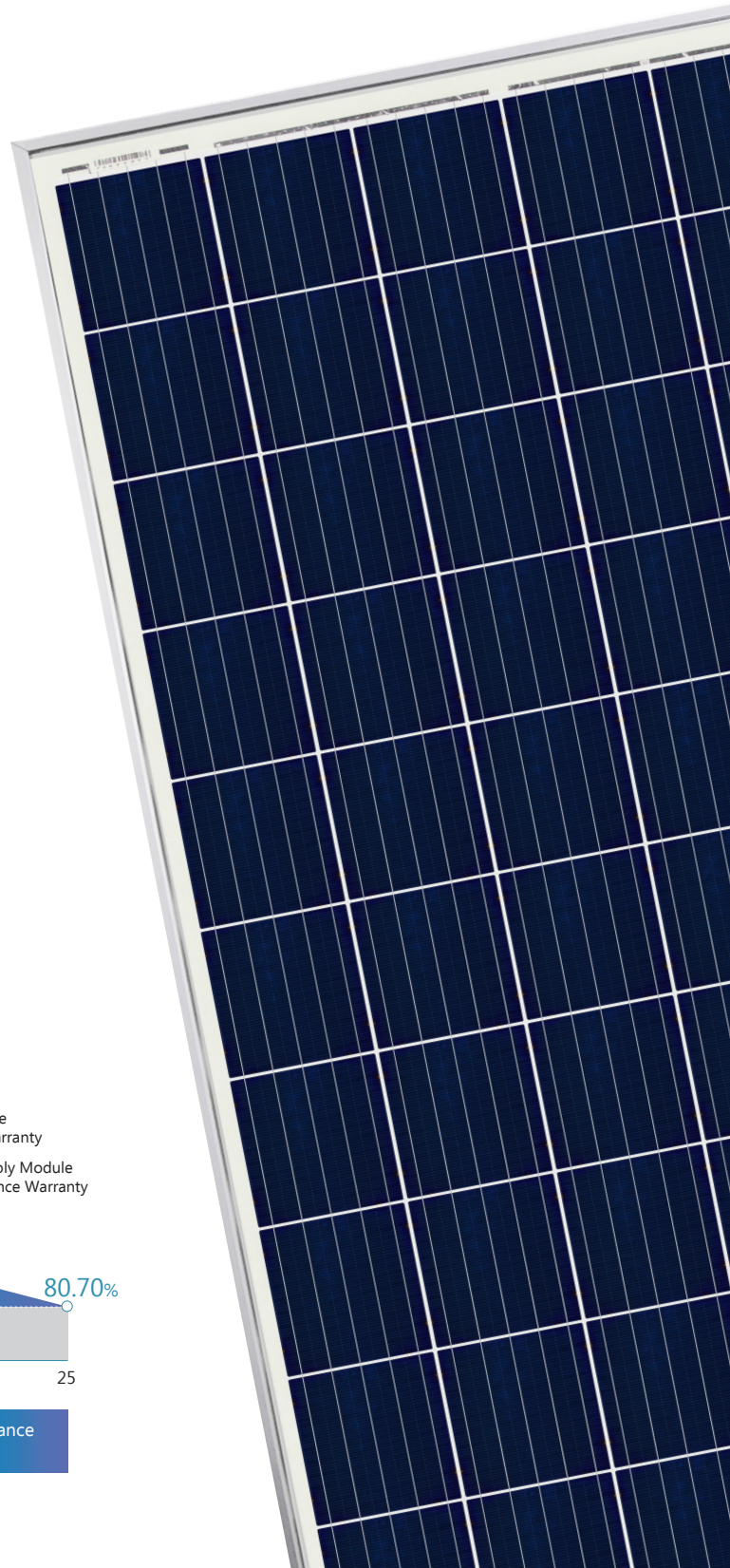
Outstanding Durability

Excellent mechanical load resistance: wind loads (2400Pa) & snow loads (5400Pa)

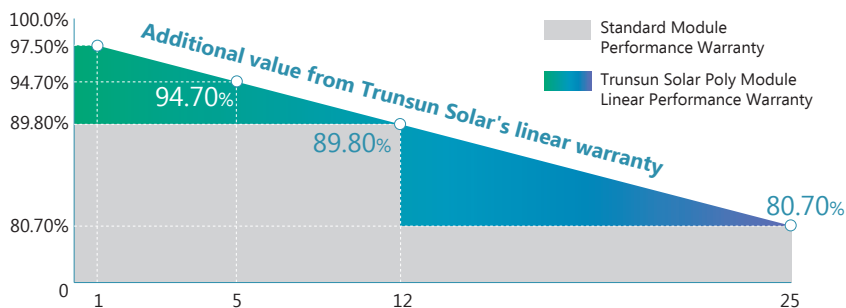


Strong Environmental Adaptability

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline



LINEAR PERFORMANCE WARRANTY



12years Product Material & Workmanship

25years Linear Performance Warranty



Zhejiang Trunsun Solar Co., Ltd
As a leading module manufacturer established in 2008, Trunsun Solar is dedicated to providing solar products with high quality and excellent performance. Fully supported by the parent company, Beyondsun Holdings, Trunsun Solar never stops innovation. Trunsun Solar will keep delivering the diversified solar products for all kinds of renewable energy generation systems around the world.

www.trunsunsolar.com

MONO

POLY

INNOVATIVE

TSP-60 Series Trunsun High Efficiency Polycrystalline Solar Module

ELECTRICAL PROPERTIES STC*	TSP265-60	TSP270-60	TSP275-60	TSP280-60
Peak Power(Pmax)	265	270	275	280
MPP Voltage(Vmp)	31.29	31.58	31.87	32.15
MPP Current(Imp)	8.47	8.55	8.63	8.71
Open Circuit Voltage(Voc)	37.61	37.87	38.14	38.42
Short Circuit Current(Isc)	9.06	9.13	9.20	9.27
Module Efficiency (%)	16.31%	16.61%	16.92%	17.23%
Operating Temperature(°C)	-40~85°C			
Maximum System Voltage(V)	1000V			
Maximum Series Fuse Rating(A)	15A			
Fire Safety	Class C			
Power Tolerance	0~+3%			

*STC (Standard Test Condition): Irradiance 1000W/ m², Module Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES NOCT*	TSP265-60	TSP270-60	TSP275-60	TSP280-60
Peak Power(Pmax)	196.34	200.03	203.75	207.45
MPP Voltage(Vmp)	28.88	29.15	29.42	29.68
MPP Current(Imp)	6.80	6.86	6.93	6.99
Open Circuit Voltage(Voc)	35.33	35.58	35.83	36.09
Short Circuit Current(Isc)	7.34	7.40	7.45	7.51

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/ m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

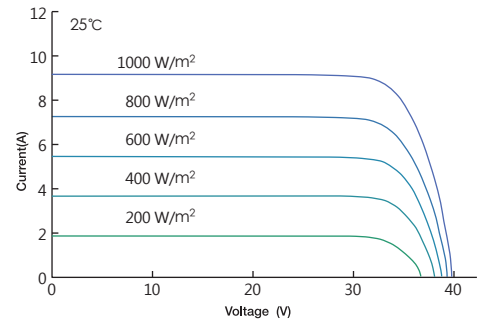
TEMPERATURE COEFFICIENT	
Temp. Coeff. Of Pmax (TK Pmax)	-0.4099%
Temp. Coeff. Of Voc (TK Voc)	-0.3363%
Temp. Coeff. Of Isc (TK Isc)	0.0693%
NOCT	43 ± 2°C

MECHANICAL PROPERTIES	
Cell Type	Poly-156.75×156.75mm
Number of Cells	6×10(60pcs)
Dimension	1640×991×35mm
Weight	18.2kg
Front/Rear Glass	3.2 mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67
Cable Type	H1Z2Z2-K 4.0mm ² , 1500V
Length of Cable	1000mm
Connector	IP67 MC4 compatible

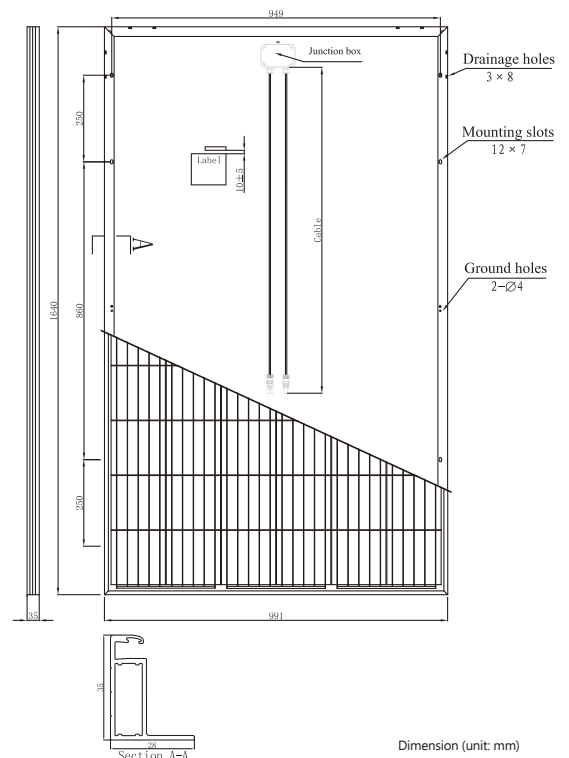
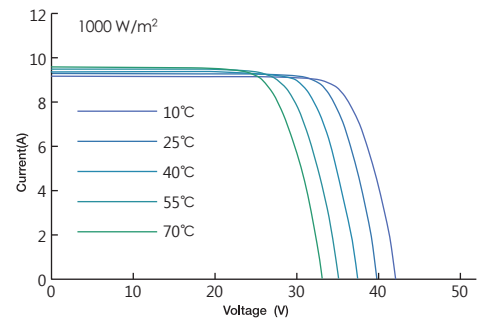
PACKING MANNER		
Packing Type	40HQ	40HQ(new)
Piece/Pallet	30	65(30+30+5)
Pallet/Container	28	14
Piece/Container	840	910

*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Zhejiang Trunsun Solar Co., Ltd. Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



Dimension (unit: mm)

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