

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 17.20%, 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

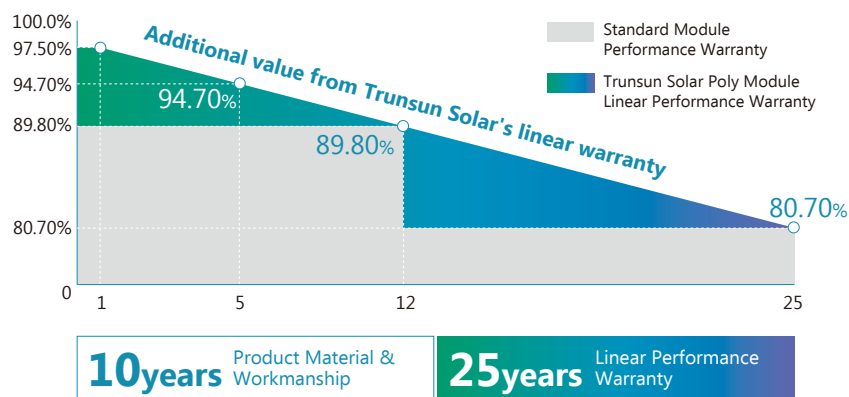
Excellent mechanical load resistance: wind loads (2400Pa) & snow loads (5400Pa)



Strong Environmental Adaptability

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

LINEAR PERFORMANCE WARRANTY



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ELECTRICAL PROPERTIES STC*	TSP265-60	TSP270-60	TSP275-60	TSP280-60
Peak Power(Pmax)	265	270	275	280
MPP Voltage(Vmp)	31.82	32.07	32.17	32.26
MPP Current(Imp)	8.33	8.42	8.55	8.68
Open Circuit Voltage(Voc)	39.07	39.21	39.38	39.58
Short Circuit Current(Isc)	8.92	9.02	9.15	9.27
Module Efficiency (%)	16.30%	16.60%	16.90%	17.20%
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)	200	204	208	212
MPP Voltage(Vmp)	29.38	29.61	29.7	29.95
MPP Current(Imp)	6.81	6.88	6.99	7.08
Open Circuit Voltage(Voc)	35.98	36.11	36.27	36.2
Short Circuit Current(Isc)	7.22	7.30	7.41	7.31

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

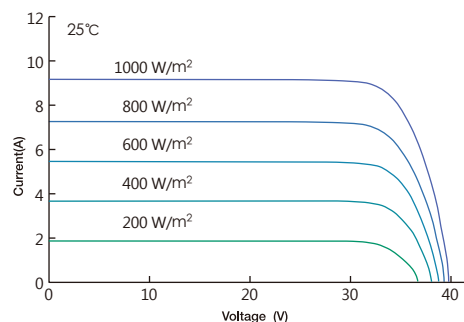
TEMPERATURE COEFFICIENT	
Temp. Coeff. Of Pmax (TK Pmax)	-0.4580%
Temp. Coeff. Of Voc (TK Voc)	-0.3305%
Temp. Coeff. Of Isc (TK Isc)	0.0544%
NOCT	43 ± 2°C

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

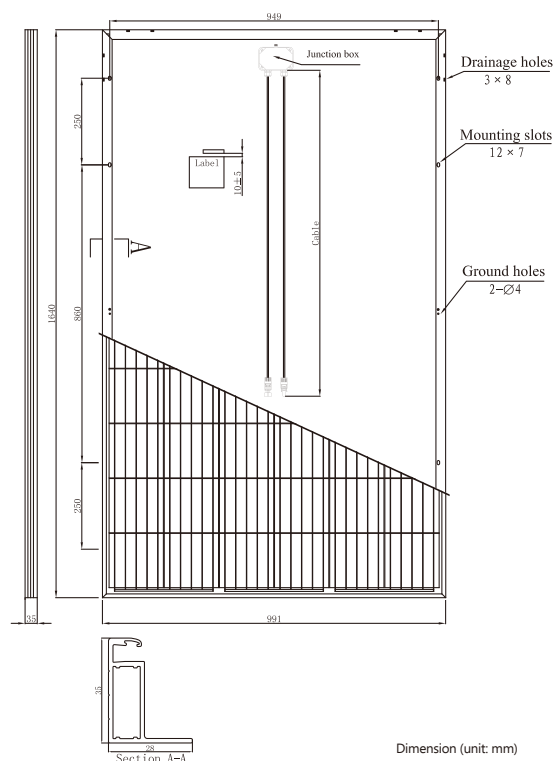
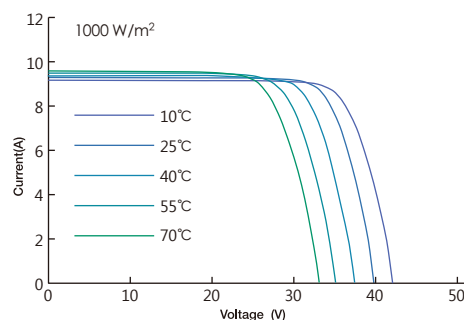
PACKING MANNER >	
Packing Type	40HQ
Piece/Pallet	30
Pallet/Container	28
Piece/Container	840

*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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Headquarter
No. 800, Zhenbei Road, Zhili Town,
Wuxing District, Huzhou,
Zhejiang Province, CHINA,
+86 572 2552186

Marketing Center
Room 1103, #2 SOHO Building,
#968 Jinzhong Rd., Changning District,
200335, Shanghai, CHINA,
+86 21 62119793

Zhejiang Beyondsun Holdings Co., Ltd.
<info@beyondsunpv.com>
Zhejiang Trunsun Solar Co., Ltd
<sales@trunsunsolar.com>