

# Hpower Series TSM-60H



Trunsun High Efficiency Monocrystalline Solar Module with Perc Technology (1500V)

305-320W



### Higher Module Efficiency

10% more power than standard modules, due to advanced the PERC technology



### More Energy Yield

Better temperature coefficient, helps boost energy yield



### Approved Technology

Approved practice for different operating conditions



### Lower Operation Temperature

Less hot spot heating risk, make the module more reliable



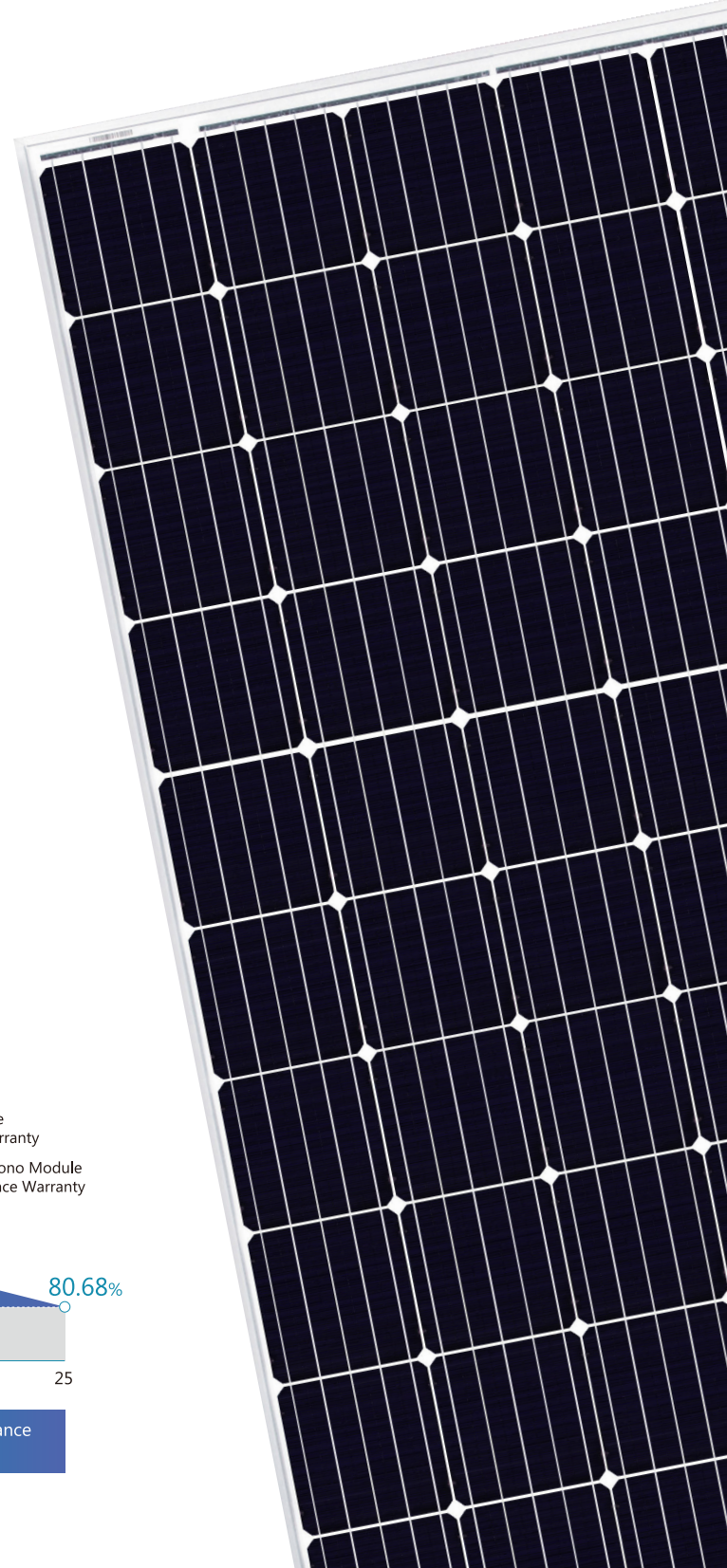
### Aesthetic Design

Uniformity appearance, aesthetic design with black frame option

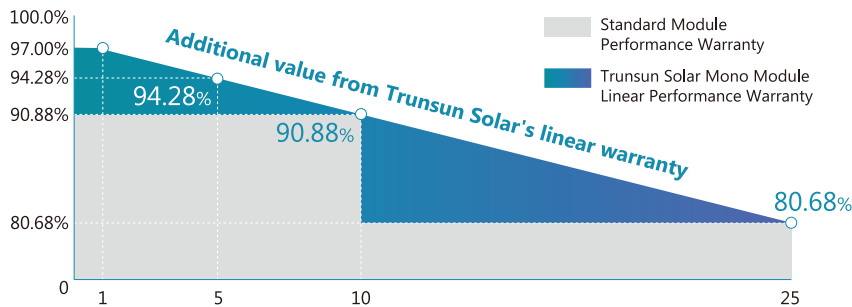


### 1500V System Voltage

Approved IEC1500Vdc system voltage, saving on BoS cost



## LINEAR PERFORMANCE WARRANTY



**12years** Product Material & Workmanship

**25years** Linear Performance Warranty



**TRUNSUN SOLAR**

Never stop exceeding

#### About Trunsun Solar

Trunsun Solar, established in 2008, is dedicated to providing solar products with high quality, excellent performance and strong after-sales support. The company not only has strong financial support but also never stops innovating. Trunsun Solar will keep delivering the diversified solar products for all kinds of renewable energy generation systems around the world.

[www.trunsunsolar.com](http://www.trunsunsolar.com)

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Trunsun High Efficiency Monocrystalline Solar Module with Perc Technology (1500V)

ELECTRICAL DATA @ STC*		TSM305-60H	TSM310-60H	TSM315-60H	TSM320-60H
Peak Power (Pmax)	(W)	305	310	315	320
Maximum Power Voltage (Vmp)	(V)	33.23	33.52	33.8	34.08
Maximum Power Current (Imp)	(A)	9.18	9.25	9.32	9.39
Open-circuit Voltage (Voc)	(V)	40.16	40.44	40.72	41
Short-circuit Current (Isc)	(A)	9.68	9.76	9.84	9.91
Module Efficiency	(%)	18.77	19.07	19.38	19.69
Operating Temperature		-40°C~+85°C			
Maximum System Voltage		1500V			
Maximum Series Fuse Rating		15A			
Application Class		Class A			
Power Tolerance		±3%			

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Module Temperature 25°C, AM 1.5

ELECTRICAL DATA @ NMOT*		TSM305-60H	TSM310-60H	TSM315-60H	TSM320-60H
Peak Power (Pmax)	(W)	226	230	234	234
MPP Voltage (Vmp)	(V)	30.60	30.87	31.12	31.12
MPP Current (Imp)	(A)	7.39	7.45	7.50	7.50
Open Circuit Voltage (Voc)	(V)	37.88	38.15	38.41	38.41
Short Circuit Current (Isc)	(A)	7.82	7.88	7.95	7.95

\*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

### TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.40%
Temperature coefficient of Voc	-0.31%
Temperature coefficient of Isc	0.05%
NMOT	42±3°C

### MECHANICAL DATA

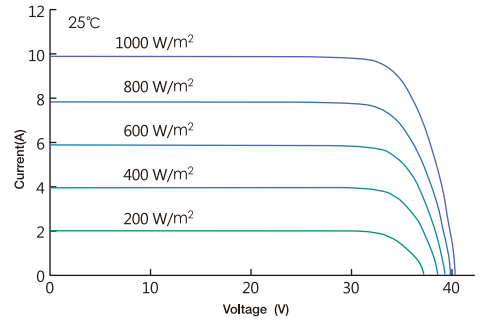
Cell Type	Mono-Crystalline, 6' inch
Cell Arrangement	60pcs (6×10)
Dimension (L×W×H)	1640×991×35mm
Weight	18.2kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67, 3 Bypass Diodes
Cable Type	4mm <sup>2</sup>
Length of Cable	1000mm
Connector	Jiaming:PV-JM601A, Renhe:05-8

### PACKING MANNER

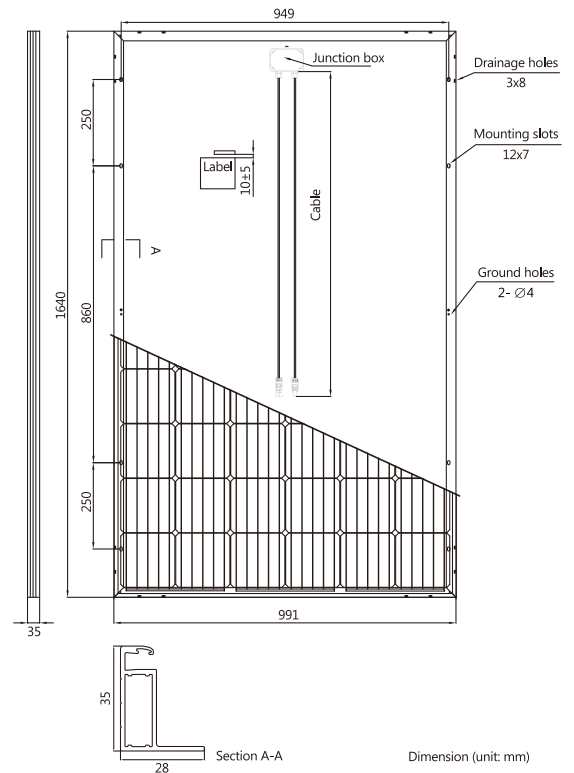
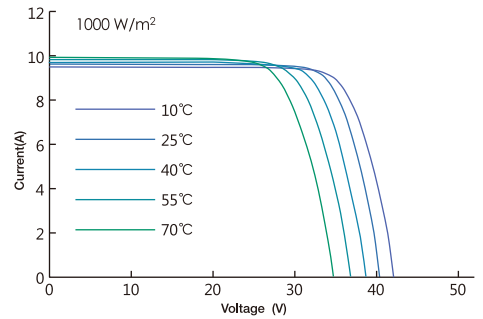
Packing Type	40HQ
Piece/Pallet	30
Pallet/Container	28
Piece/Container	840

\*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



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