

## TKP72 305W/310W/315W/320W/325W



### Solar Module

Tratek focuses precise production and provide customer with best cost-effective products. Excellent Solar products provided by Tratek bring clean and reliable energy to residential, commercial and industrial facilities around the world.



Power tolerance (0~+3%) to ensure the high reliability of power output;



Modules certified by TUV to with stand high level of wind loads (2400Pa) and snow loads (5400Pa);



Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect".

### Warranty

**10** years product workmanship warranty

**12** years 90% output

**25** years 80% output

\*Please refer to Tratek product warranty for detail.

Certifications and standards:

IEC 61215, IEC 61730, conformity to CE



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# TKP72 305W/310W/315W/320W/325W

## Electrical Characteristics

Maximum Power (Pmax)	305	310	315	320	325
Maximum Power Voltage (Vmp)	36.9	37.1	37.3	37.5	37.7
Maximum Power Current (Imp)	8.27	8.36	8.44	8.53	8.62
Open Circuit Voltage (Voc)	43.7	44.0	44.3	44.6	44.9
Short Circuit Current (Isc)	8.78	8.86	8.93	9.03	9.10
Module Efficiency (%)	15.80	16.06	16.32	16.58	16.84
Power Tolerance (W)	0~+3				
Maximum Series Fuse Rating (A)				15	
Maximum System Voltage (TUV)				DC 1000V	
Normal Operating Cell Temperature (°C)				45±2	

Electrical characteristics tested at Standard Test Conditions (STC), defined as: Irradiance of 1000W/m<sup>2</sup>, Spectrum AM1.5, and temperature of 25°C.

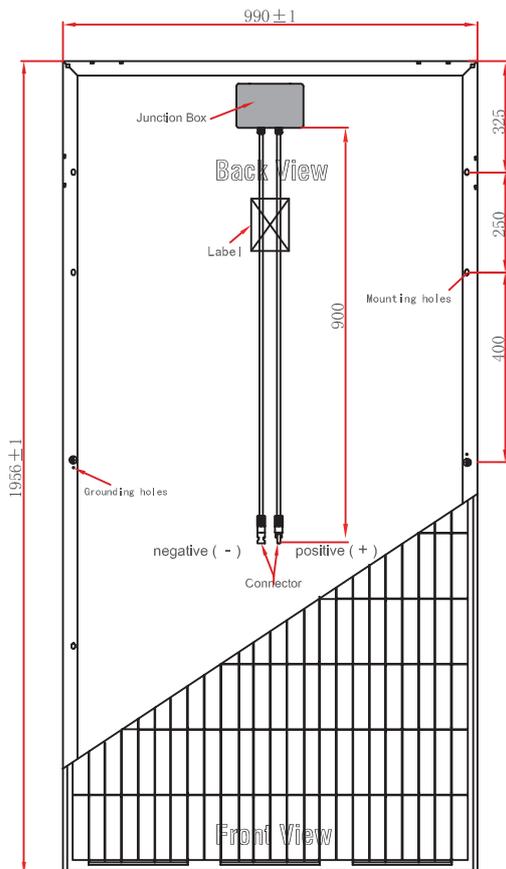
## Mechanical Specifications

Dimensions	1956x990x45mm
Weight	24kg
Max. static load, front(snow & wind)	5400Pa
Max. static load, back(wind)	2400Pa
Max. hailstone impact(diameter/velocity)	25mm / 23m/s

## Construction Materials

Front cover (material/type/thickness)	High Transmission, Low Iron, Tempered Glass 3.2mm
Cell (quantity/material/type/dimensions)	72pcs(6x12)/Polycrystalline/156mm x 156mm
Frame(material/color/anodization color)	Anodized aluminum alloy/silver or black/clear
Junction box(Protection degree)	IP67, with bypass diodes
Cable (length/cross-section area)	900mm/ 4mm <sup>2</sup>

## Dimensions



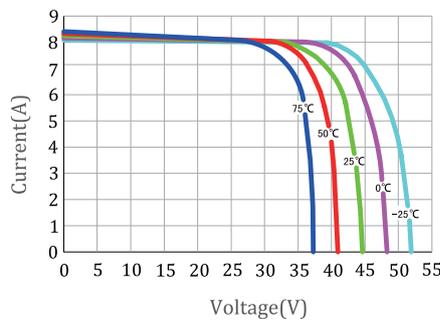
## Temperature Characteristics

Temperature Coeff. of Isc (TK Isc)	0.06%/°C
Temperature Coeff. of Voc (TK Voc)	-0.34%/°C
Temperature Coeff. of Pmax (TK Pmax)	-0.44%/°C
Operating Temperature(°C)	-40°C to +85°C
Storage Temperature(°C)	-20°C to +40°C

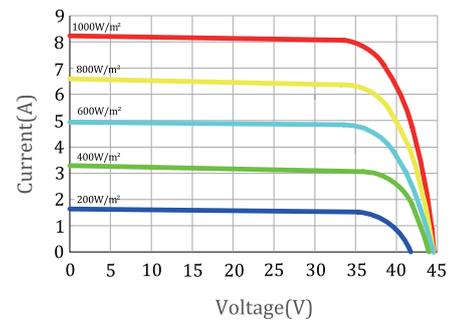
## Packaging

Container	20'GP	40'GP
Modules/pallet	27 pcs	27 pcs
Pallets/container	10 pallets	24 pallets
Modules/container	270 pcs	648 pcs

## Various Temperatures



## Various Irradiance



Distributor Information

Please contact [info@tratek.eu](mailto:info@tratek.eu) for more details.

