



PVTES Limited

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E-mail: tes@teswin.com URL: www.tessolarwater.com

...a member of TES Group of Companies

TESPV Module

TESPV-250W Mono-crystalline 60cell Solar Panel

EFFICIENCY

- Low voltage-temperature coefficient allows higher Power output at high-temperature condition
- High efficient, high reliable solar cells ensure our Product output stability

MATERIALS

Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation

- The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- Ultra reliable bypass diodes prevent damage through Overheating due to shaded or defective cells
- Innovative, environmentally friendly packing method Using pile-edges insures modules arrive in perfect condition
- New frame design incorporating hexagonal shaped Drainage holes, with more grounding holes, provide Flexible installation and use

BENEFITS

- Manufactured in an IEC61215, IEC61730, ISO 9001:2000, CE certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of $\pm 3\%$
- 25-years Limited warranty on Power output, 6-years limited warranty on materials and workmanship



NOTE

This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: www.tessolarwater.com



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SPECIFICATIONS—TUV certified

ITEM NO	TESPV-250W Mono-Crystalline 60cell
Maximum Power(Wp)	250
Maximum Power Voltage(V)	29.8
Maximum Power Current(A)	8.39
Open Circuit Voltage(V)	36.5
Short Circuit Current(A)	9.51
Size of Module(mm)	1650mm X 992mm X 50mm
Size of Glass(mm)	1642mm X 884mm X 3.2mm
Size of solar cells(mm)	Mono 156 solar cells
Number of cells(Pcs)	6 x 10
Maximum System Voltage(V)	1000 (TUV)
Temperature Coefficients of Isc(%)	0.065%/°C
Temperature Coefficients of Voc(%)	-0.35%/°C
Temperature Coefficients of Pm(%)	-0.40%/°C
Nominal operating cell temperature	47°C±2°C
Temperature Range	-40°C to +85°C
Surface Maximum Load Capacity	200kgs/m ²
Allowable Hail Load	25mm@80km/h
Weight Per Piece (kg)	20kgs
Efficiency for cell	17.36%
Efficiency for module	16.83%
Warranty	6 years product warranty, 90% of power output for the first 12 years of the modules life, 80% for the next 13 years for a total of 25 years warranty
Packing	559pcs/40'' container ,13 pallets,43pcs per pallet 258pcs/20'' container , 6 pallets ,43pcs per pallet

Note: The specifications and obtained under the standard Test Conditions(STCs):1000W/m² solar irradiance, 1.5 Air Mass,and cell temperature of 25°C

Electrical Performance cell temperature : 25°C



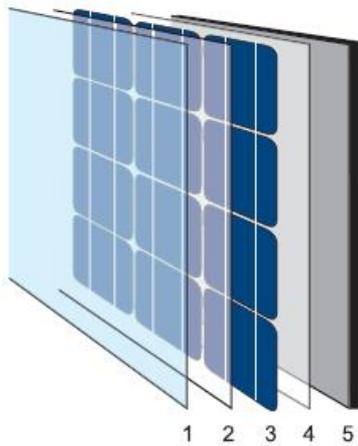
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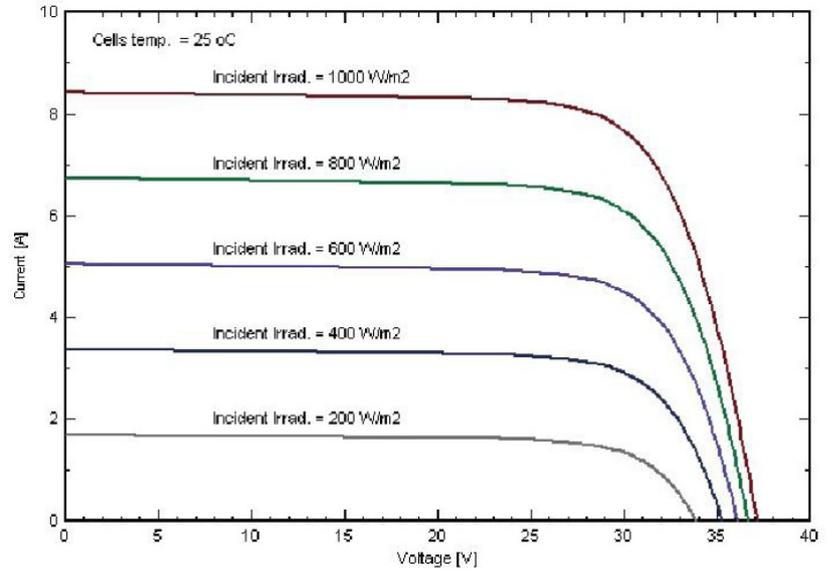
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- 1 Tempered glass
- 2 EVA
- 3 Cells
- 4 EVA
- 5 Multi-layer back sheet



PHYSICAL CHARACTERISTICS Unit:mm

