



TES Group Limited

Add: Wealth Commercial Center, 48 Kwong Wa Street, Mongkok, Kowloon, Hong Kong

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

...a member of TES Group of Companies

TESPV 240-255W Monocrystalline MONO CRYSTALLINE 6"



Silicon Monocrystalline photovoltaic module



FEATURES

Using only the best quality materials to provide High quality solar module.

- High efficiency solar cells with high transmission and low iron textured glass;
- Bypass diode minimizes the power drop caused by shading;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001 quality management system standards.



WARRANTY

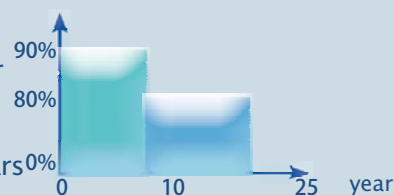
5 years product guarantee -25 years performance warranty

Commercial

- Standard 5 years on materials and manufacturing defects
- Can be extended to 10 years on request

Performance

- Power not less than 90% of power peak during the first 10 years
- Power not less than 80% of power peak during the subsequent 15 years





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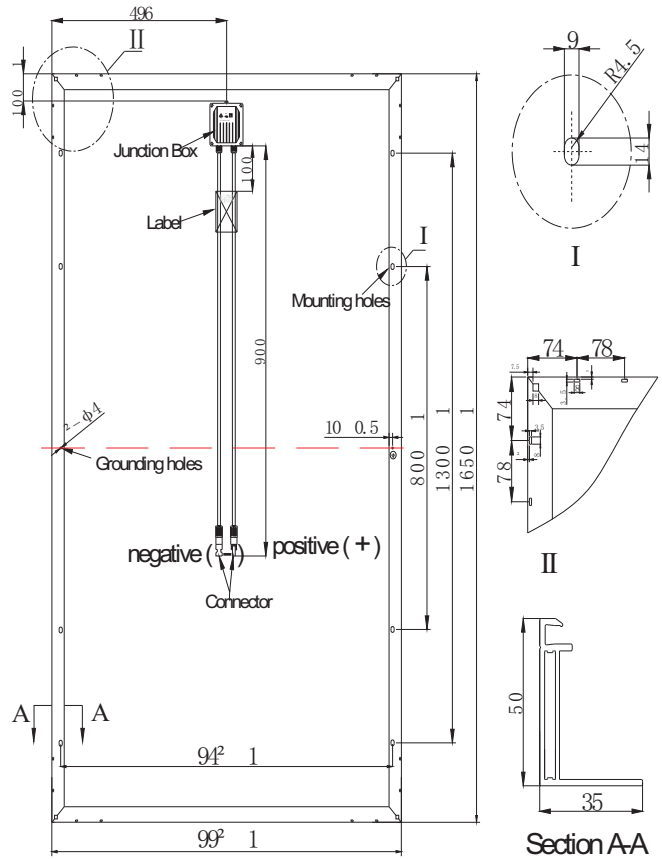


ELECTRICAL FEATURES

		STC			
Type	Model	xxx Rated Power [W]			
TESPV xxxW Monocrystalline		240	245	250	255
Module Efficiency	η_m (%)	14.97	15.27	15.58	15.88
Cell Efficiency	η_c (%)	17.10	17.45	17.80	18.14
Power Peak	P_m (W)	240	245	250	255
Maximum Power Voltage	V_m (V)	30.20	30.2	30.70	30.70
Maximum Power Current	I_m (A)	7.94	8.11	8.14	8.31
Open Circuit Voltage	V_{oc} (V)	37.40	37.40	38.10	38.10
Short Circuit Current	I_{sc} (A)	8.58	8.76	8.80	8.79
Maximum System Voltage	(VDC)	1,000			
Power Output Tolerance	(W)	0 / + 5			
Max-Series Fuse	(A)	20			
Operating/Storage Temp.	(C)	- 40 ~ + 85			
Dielectric Insulation Voltage	(VDC)	3,000 max			
Code	MFM	M50316	M50317	M50318	M50319
STC: Irradiance 1,000 W/m ² , module temperature 25 C, AM=1.5					
Power measurement tolerance: 3%					

MECHANICAL FEATURES

Cell Size	(mm)	156 x 156
Number of cells	60 cells - monocrystalline silicon	
Module Dimensions	(mm)	1,650 x 992 x 50
Module Weight	(kg)	19.5
Front Glass	3.2 mm tempered glass	
Frame	anodized aluminium alloy	
Junction box	6 by-pass diodes	
Connectors	IP67 type MC3 or MC4	
Output Cables	(mm)	900



* XXX indicates Rated Power [W]

Temperature Coefficients

Notinal Operating cell Temperature(NOCT)	47 ± 2°C
Temperature Coefficient of Pmax	-0.43%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	+0.04%/°C

PACKING FEATURES

Pallet Dimensions	(mm)	1,700 x 1,150 x h1,190
Pallet Weight	(kg)	425
1 Pallet	20 modules	
Container Loading Capacity	20ft	220 modules (12 pallets)
	40ft	560 modules (28 pallets)

CURVE CURRENT - VOLTAGE

