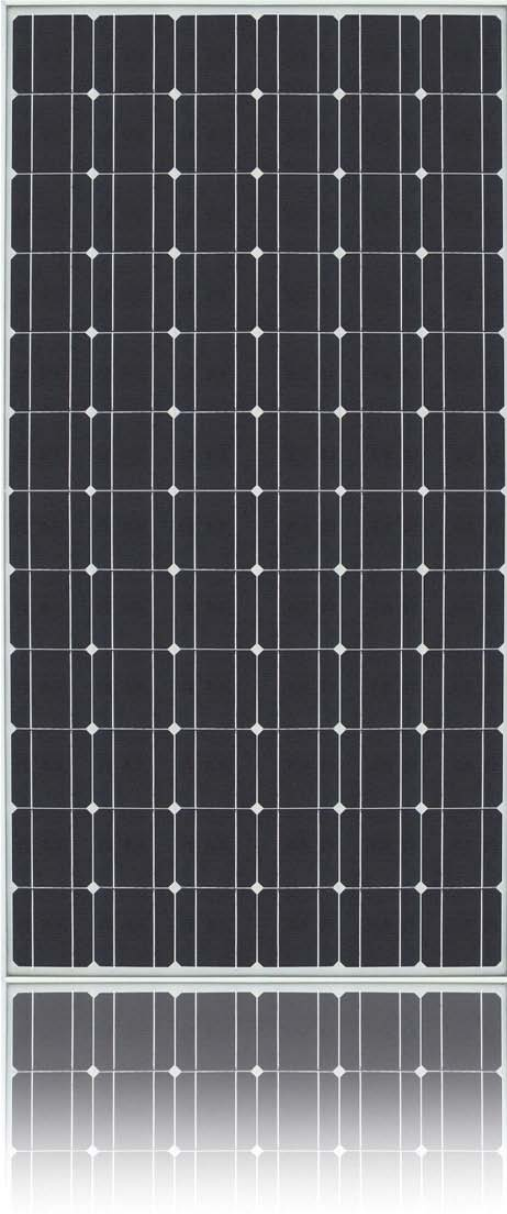




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TES PV-300W Monocrystalline



Electrical Data

Maximum Power(W)	300W
Optimum Power Voltage(Vmp)	37.87V
Optimum Operating Current(Imp)	7.92A
Open Circuit Voltage(Voc)	44.78V
Short Circuit Current(Isc)	8.48A
Cell Efficiency (%)	17.24%
Module Efficiency (%)	15.46%
Tolerance Wattage(e.g. +/-3%)	+3%
NOCT	47°C +/-2°C

Benefits

- ☐ High efficiency solar cells with high transmission and textured glass are delivering high efficiency for modules;
- ☐ Bypass diode minimizes the power drop caused by shade;
- ☐ 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.

Temperature Coefficients

Temperature Coefficients of Isc(%)°C	+0.04
Temperature Coefficients of Voc(%)°C	-0.38
Temperature Coefficients of Pm(%)°C	-0.47
Temperature Coefficients of Im(%)°C	+0.04
Temperature Coefficients of Vm(%)°C	-0.38

Applications

- ☐ On-grid residential roof-tops
- ☐ On-grid commercial/industrial roof-tops
- ☐ Solar power stations
- ☐ Other on-grid applications





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TES PV-300W Monocrystalline

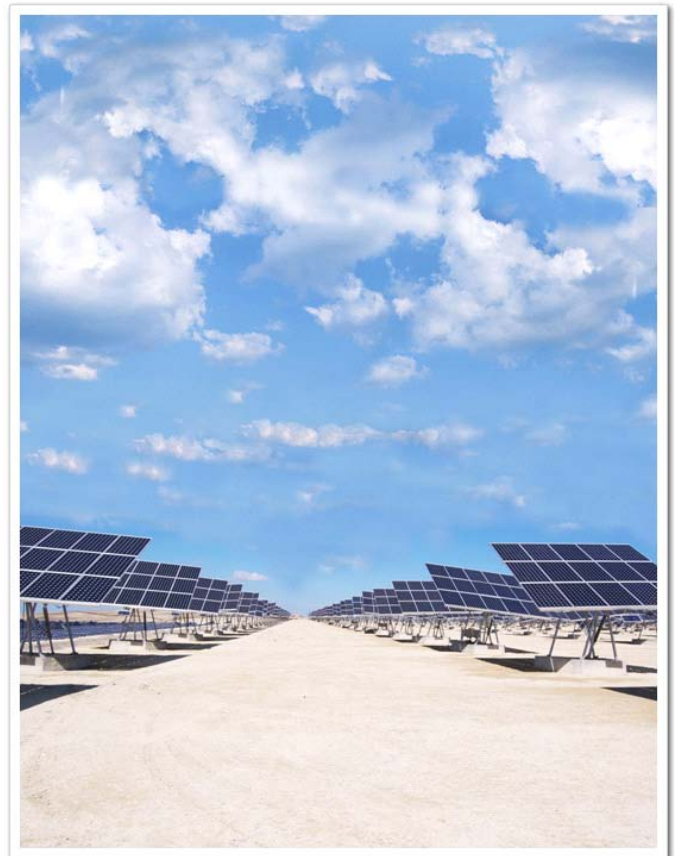
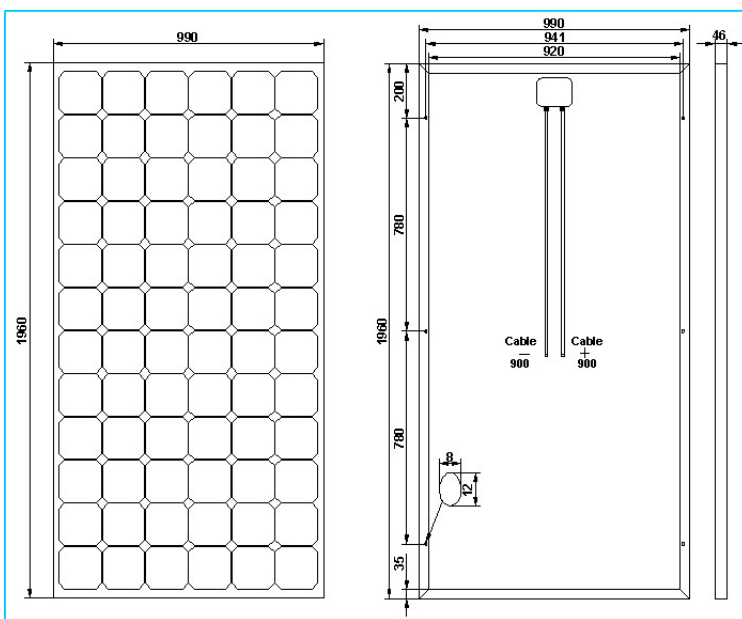
Components & Mechanical Data

Solar Cell	156*156 Mono
Number of Cell(pcs)	6*12
Size of Module(mm)	1960*990*46
Front Glass Thickness(mm)	3.2
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	22.4
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	12
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	46#
Backing (Brand Type)	TPT
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25 +/-2°C

Warranty & Certifications

Warranty	25 year limited power warranty 10 year limited product warranty
Certifications	IEC 61215, IEC 61730

Engineering Drawings



Specifications included in this datasheet are subject to change without notice.