



up to 550 kg/m²
maximum loading

JTS-195M

Solar module monocrystalline

Our Photovoltaic module is designed for applications with high power requirements. The production covers the entire value chain of the module from ingot to finished module. Extensive testing and final inspections at each step will secure the highest profit.

Product features

- Plug-in system for connection
- Integrated Bypass-Diodes against shading/Hot-Spot effect
- Longevity and stability with high-quality Aluminum frame and solar glass

Great performance

- ±3% Nominal power tolerance
- Cell efficiency ca. 17%
- Modul efficiency ca. 14%

Independent Quality Inspection

- Regular testing by Fraunhofer Institute for quality assurance
- TÜV Reinland, CE standards
- Extensive testing and final inspections at each step.

Warranty

- 10 years power warranty 90%
- 25 years power warranty 80%
- 10 years extended product warranty

Electrical characteristics

Modul type	monocrystalline
Nominal Power (P _{nom})	195 W
Maximum Power (P _{mpp})	195 Wp
Output tolerance	± 3 %
voltage at max. power (V _{pm})	36,9 V
current at max. power (I _{pm})	5.28 A
Open circuit voltage (V _{oc})	44.7 V
Short circuit current (I _{sc})	5.72 A

Temperature coefficients

Temp. Coefficient of P _{max} (Tk-P _{mpp})	- 0.47 %/°C
Temp. Coefficient of V _{oc} (Tk-V _{oc})	- 0.35 %/°C
Temp. Coefficient of I _{sc} (Tk-I _{sc})	+ 0.06 %/°C

Limit values

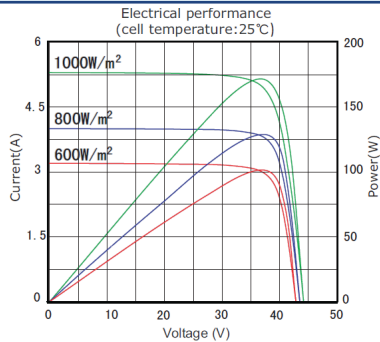
Maximum System Voltage (U _{max})	1000 V
Module temperature (min./max.)	-40 °C bis 85 °C
Maximum loading	5400 N/m ² o. 550 kg/m ²

Standard test conditions: 1000 W/m² ; 25 °C; AM 1.5
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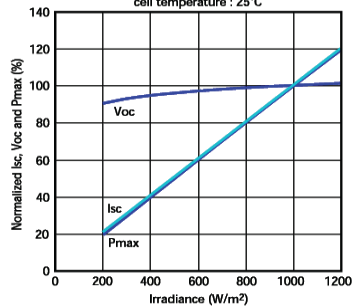


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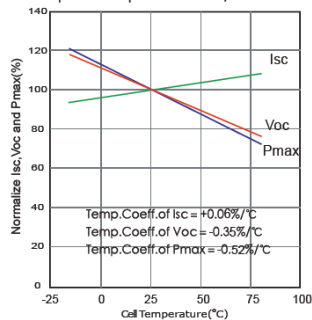
Example based of 180W Power



Irradiance dependence of Isc, Voc and Pmax
cell temperature : 25°C



Temperature dependence of Isc, Voc and Pmax



Dimensions and weight:

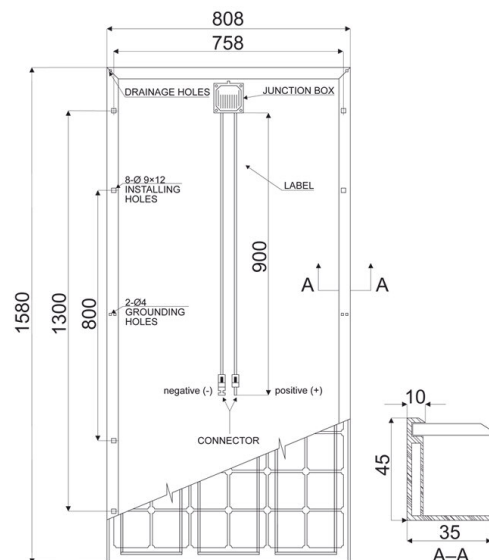
Length	1580 mm
Width	808 mm
Height	45 mm
Weight	15.5 kg
No. of cell	72 (6 x 12)
Cabel	4 mm, double insulated, UV resistant, cabel length 900 mm
Packing units	range 44, carton 22 modules

Certification

TÜV, safety class II, CE, ISO 9001:2000, IEC 61215, IEC 61730, UL1703



Salespartner: _____



Junction Box: IP65
Connector: Type IV
Unit: mm

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