



up to 550 kg/m<sup>2</sup>  
maximum loading



**JTS-285M72**

## 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   |   |
|--|---|
| Module type  | monocrystalline                                 |
| Nominal Power (P <sub>nom</sub> )  | 285 W   |
| Maximum Power (P <sub>mp</sub> )   | 285 Wp  |
| Output tolerance   | ± 3%  |
| Voltage at max. power (V <sub>pm</sub> )   | 35.4 V  |
| Current at max. power (I <sub>pm</sub> )   | 8.05 A  |
| Open circuit voltage (V <sub>oc</sub> )  | 44.6 V  |
| Short circuit current (I <sub>sc</sub> )   | 8.67 A  |
| Temperature coefficients   |   |
| Temp. Coefficient of P <sub>max</sub> (Tk-P <sub>mp</sub> )  | - 0.46 %/°C                                     |
| Temp. Coefficient of V <sub>oc</sub> (Tk-V <sub>oc</sub> )   | - 0.33 %/°C                                     |
| Temp. Coefficient of I <sub>sc</sub> (Tk-I <sub>sc</sub> )   | + 0.06 %/°C                                     |
| Limit values   |   |
| Maximum System Voltage (U <sub>max</sub> )   | 1000 V  |
| Module temperature (min./max.)   | -40 °C bis 85 °C                                |
| Maximum loading  | 5.400 N/m <sup>2</sup> o. 550 kg/m <sup>2</sup> |
| Standard test conditions: 1000 W/m <sup>2</sup> ; 25°C; AM1,5.<br>All rights to revision reserved. |   |

**JT SOLAR AG**  
Landsberger Straße 113-115  
80339 München

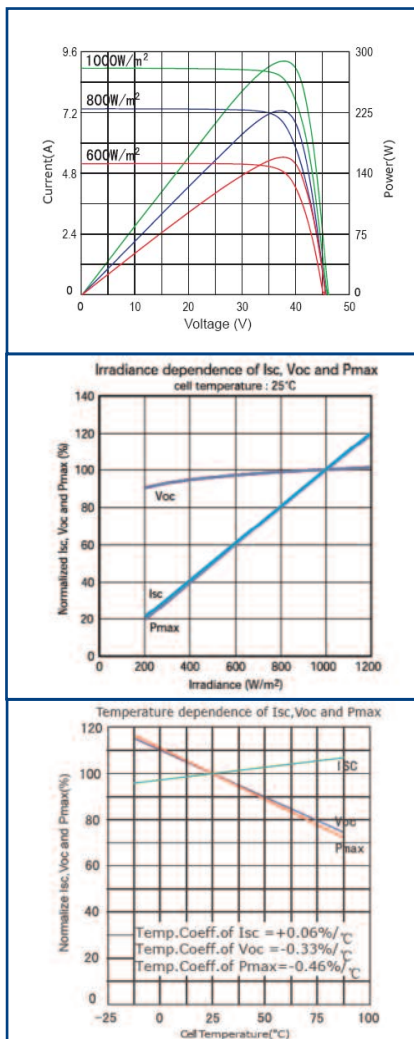
phone: ++49 (0)89-72 60 97 68  
phone: ++49 (0)89-72 60 97 86  
fax: ++49 (0)89-72 60 97 65

mail: [info@jtsolar.de](mailto:info@jtsolar.de)  
web: <http://www.jtsolar.de>

Member of



Example based of 290W Power



### Dimensions and weight

|               |   |
|---------------|---|
| Length        | 1956 mm   |
| Width         | 992 mm  |
| Height        | 50 mm   |
| Weight        | 25 kg   |
| No. of cell   | 72 ( 12x 6 )  |
| Cable         | 4mm, double insulated, UV resistant, cabel length 1000 mm             |
| Packing units | range 40, carton 20 modules   |
| Certification | TÜV, safety class II, CE, ISO 9001:2000, IEC 61215, IEC 61730, UL1703 |



Salespartner:

