

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

# JT-230P

## Solar module polycrystalline

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

Modultype	polycrystalline
Nominal Power (P <sub>nom</sub> )	230 W
Maximum Power (P <sub>mp</sub> )	230 Wp
Output tolerance	± 3%
Voltage at max. power (V <sub>pm</sub> )	29.4 V
Current at max. power (I <sub>pm</sub> )	7.82 A
Open circuit voltage (V <sub>oc</sub> )	37.2 V
Short circuit current (I <sub>sc</sub> )	8.19 A

#### Temperature coefficients

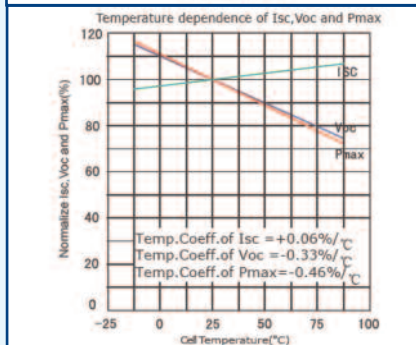
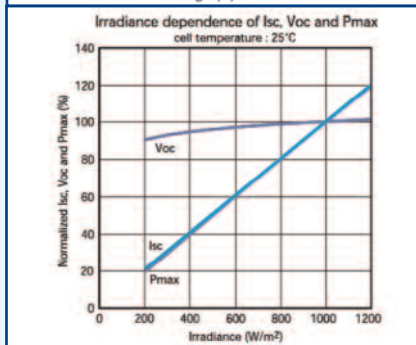
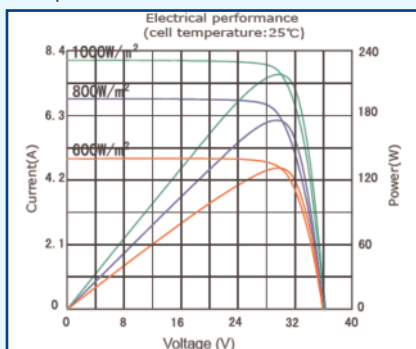
Temp. Coefficient of P <sub>max</sub> (T <sub>k</sub> -P <sub>mp</sub> )	- 0.46 %/°C
Temp. Coefficient of V <sub>oc</sub> (T <sub>k</sub> -V <sub>oc</sub> )	- 0.33 %/°C
Temp. Coefficient of I <sub>sc</sub> (T <sub>k</sub> -I <sub>sc</sub> )	+ 0.06 %/°C

#### 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.  
All rights to revision reserved.

Example based of 230W Power



### Dimensions and weight

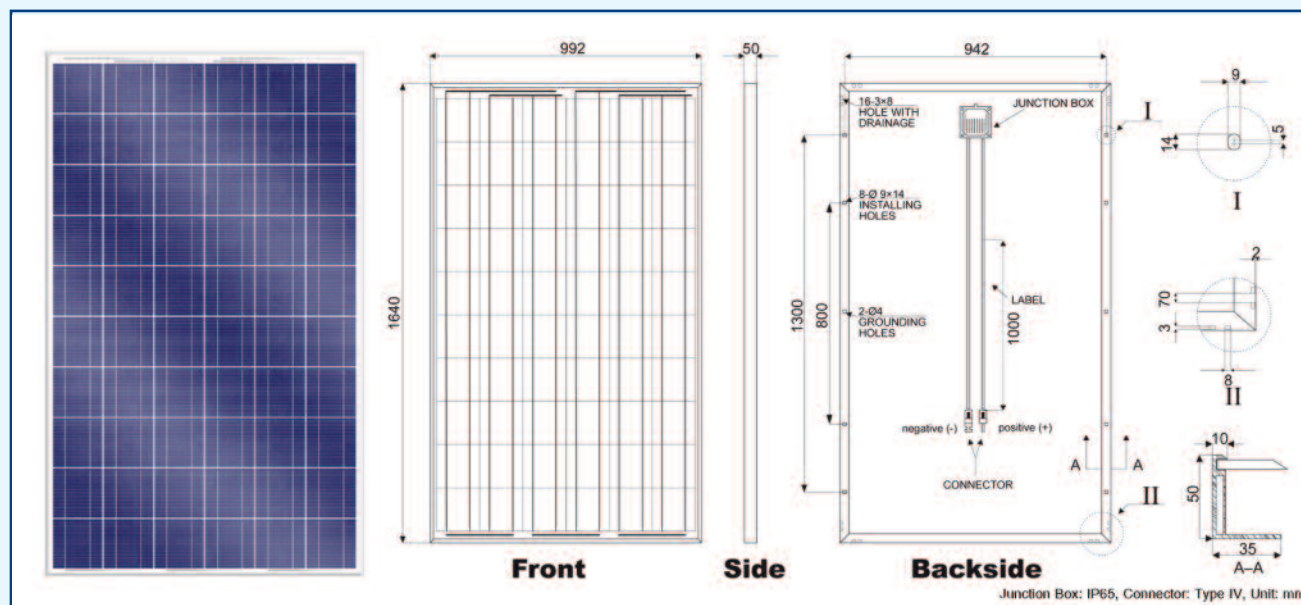
Length	1640 mm
Width	992 mm
Height	50 mm
Weight	19.5 kg
No. of cell	60 (10 x 6)
Cabel	4mm, double insulated, UV resistant, cabel length 1000 mm
Packing units	range 40, carton 20 modules

### Certification

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



Salespartner: \_\_\_\_\_



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

web: http://www.jtsolar.de

Member of

