



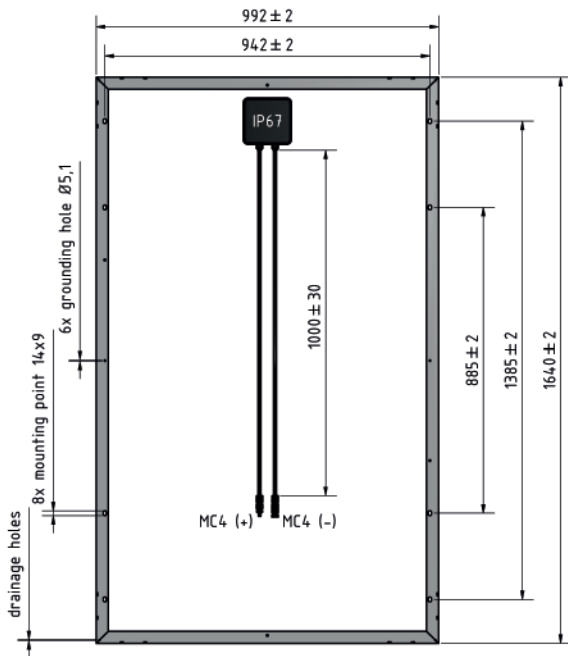
## Convincingly economical STP250-20/Wd

Solar modules made by polycrystalline silicon

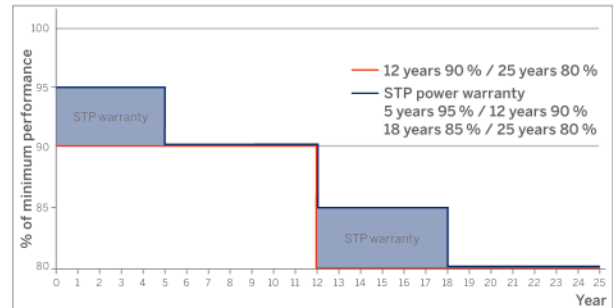
Thanks to leading cell technology, the modules of the Suntech Power series achieve excellent efficiency of up to 15,4%. Good efficiencies can be achieved even in low light conditions. The modules have also a positive tolerance of efficiency of 0-5%. Thanks to the new frame: the module has a reduced weight, but stability is the same compared to the previous module.

### Highlights

- 10-year product warranty\*
- Power warranties\*
  - 5 years (95%)
  - 12 years (90%)
  - 18 years (85%)
  - 25 years (80%)
- Power tolerance -0/+5 %
- Tested according IEC 61215 for snow loads up to 5400 Pa (ca. 550 kg/m<sup>2</sup>)
- Tested according IEC 61215 for wind loads up to 3800 Pa (ca. 387 kg/m<sup>2</sup>)
- IEC 61730, application class A for system voltages up to 1000 V, protection class II
- Produced in ISO 9001 and ISO 14001-certified factories
- 100% end control with individual registration of the electrical characteristics
- Quality tested by IBC SOLAR in own laboratory with climate chambers and flasher with integrated electroluminescence measurement



Progression of the power warranty



## TECHNICAL DATA

STP	250-20/Wd
STC Power Pmax (Wp)	250
STC Nominal Voltage Umpp (V)	30.7
STC Nominal Current Imp (A)	8.15
STC Open circuit voltage Uoc (V)	37.4
STC Short circuit current Isc (A)	8.63
800 W/m <sup>2</sup> NOCT AM1.5 Power Pmax (Wp)	184
800 W/m <sup>2</sup> NOCT AM1.5 Nominal Voltage Umpp (V)	28.0
800 W/m <sup>2</sup> NOCT AM1.5 Open Circuit Voltage Uoc (V)	34.5
800 W/m <sup>2</sup> NOCT AM1.5 Short Circuit Current Isc (A)	6.99
Rel. efficiency reduction @ 200W/m <sup>2</sup> (%)	4.5
Tempcoeff Isc (%/°C)	+0.055
Tempcoeff Uoc (mV/°C)	-123
Tempcoeff Pmpp (%/°C)	-0.44
Module Efficiency (%)	15.4
NOCT (°C)	45
Max. System Voltage (V)	1000
Max. Reverse Current Ir (A)	20
Current value String fuse (A)	15
Fuse protection from parallel strings	4
Height (mm)	35
Weight (kg)	18.2
Article number	2200500070

2013-01-30

Your IBC SOLAR partner:

\* Product and power warranty in accordance with the version of the full warranty conditions received from your specialized IBC SOLAR partner at the time of installation. This warranty is valid only when the relevant product is installed in accordance with the applicable installation instructions. Electrical values under standard test conditions: 1000W/m<sup>2</sup>; 25°C, AM1.5. 800 W/m<sup>2</sup>, NOCT. Specifications according EN60904-3 (STC). All datas according DIN EN 50380. Subject to modifications that represent progress.