



THE LIGHTWEIGHT WITH MORE POWER

## Suntech Power STP190S-24/Ad+, STP195S-24/Ad+, STP200S-24/Ad+

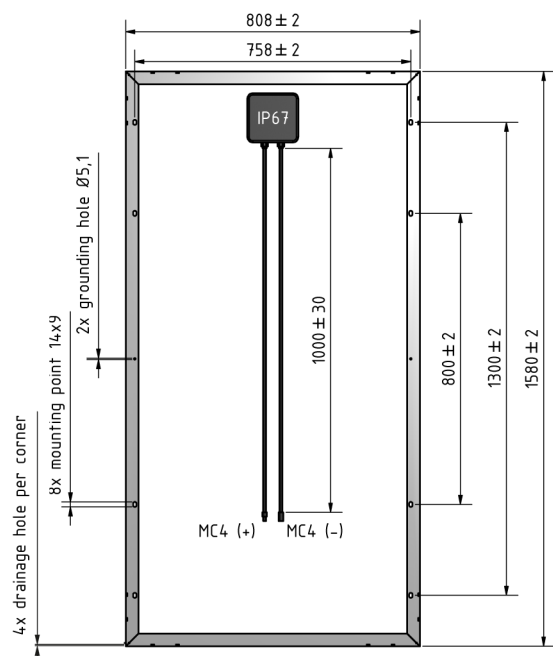
### SOLAR MODULES MADE BY MONOCRYSTALLINE SILICON

Whether for single-family homes, outdoor installations, or large off-grid photovoltaic systems, these modules are marked by their flexibility and efficiency in a wide range of applications. Because the active cell surface area is larger, these modules are able to generate more power, increasing the modules' efficiency. The module have also a positive power tolerance of 0-5%.

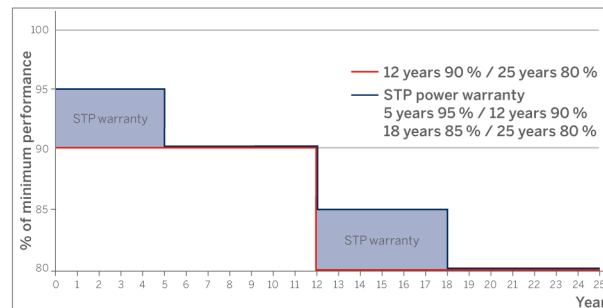
#### HIGHLIGHTS

- 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>)
- IEC 61730, application class A for system voltages up to 1,000 V, protection class II
- 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	190S-24/Ad+	195S-24/Ad+	200S-24/Ad+
STC Power Pmax (Wp)	190	195	200
STC Nominal Voltage Umpp (V)	36,6	36,6	36,7
STC Nominal Current Imp (A)	5,20	5,33	5,45
STC Open circuit voltage Uoc (V)	45,2	45,4	45,5
STC Short circuit current Isc (A)	5,62	5,69	5,81
800 W/m <sup>2</sup> NOCT AM1.5 Power Pmax (Wp)	139	142	146
800 W/m <sup>2</sup> NOCT AM1.5 Nominal Voltage Umpp (V)	33,1	33,2	33,3
800 W/m <sup>2</sup> NOCT AM1.5 Open Circuit Voltage Uoc (V)	41,3	41,8	42,3
800 W/m <sup>2</sup> NOCT AM1.5 Short Circuit Current Isc (A)	4,56	4,61	4,68
Rel. efficiency reduction @ 200W/m <sup>2</sup> (%)	4	4	4
Tempcoeff Isc (%/°C)	+0,05	+0,05	+0,05
Tempcoeff Uoc (mV/°C)	-154	-154	-155
Tempcoeff Pmpp (%/°C)	-0,45	-0,45	-0,45
Module Efficiency (%)	14,9	15,3	15,7
NOCT (°C)	45	45	45
Max. System Voltage (V)	1000	1000	1000
Max. Reverse Current Ir (A)	15	15	15
Current value String fuse (A)	12	12	12
Fuse protection from parallel strings	4	4	4
Height (mm)	35	35	35
Weight (kg)	15,5	15,5	15,5
Article number	2000500034	2000500049	2000500050

10.10.2012

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.