



THE LIGHTWEIGHT WITH MORE POWER

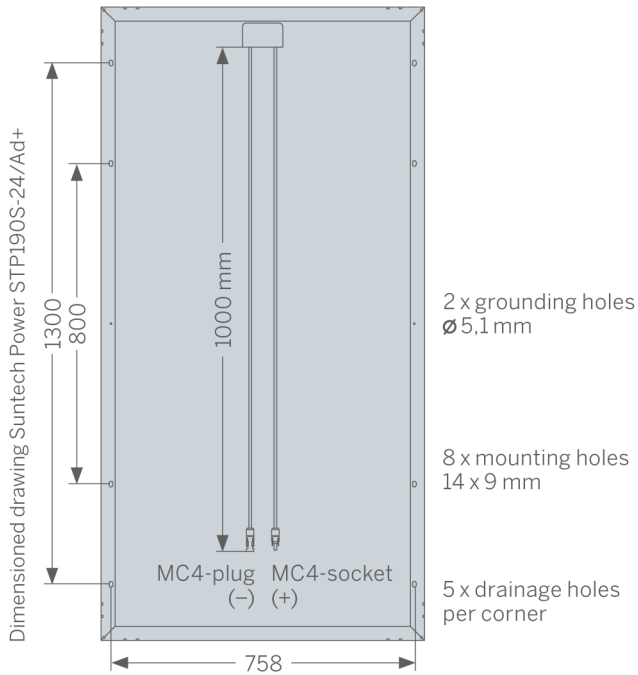
Suntech Power STP190S-24/Ad+

MONOCRYSTALLINE SOLAR MODULES

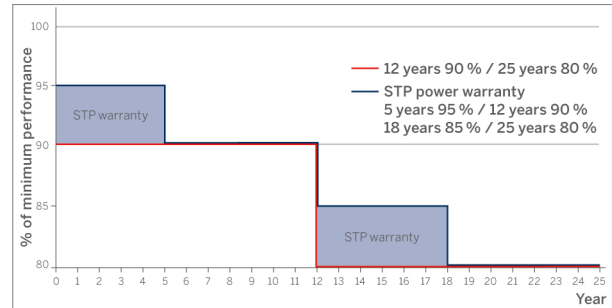
Whether for single-family homes, outdoor installations, or large off-grid photovoltaic systems, these modules are marked by their flexibility and efficiency in a wide range of applications. In contrast to comparable modules, they stand out for their thinner glass, which means they weigh less while providing the same stability. Because the active cell surface area is larger, these modules are able to generate more power, increasing the modules' efficiency.

HIGHLIGHTS

- Suitable for grid-connected and 24-V off-grid systems
- Tested according IEC 61215 for snow loads up to 5400 Pa (ca. 550 kg/m²)
- Power tolerance -0/+5%
- Power warranties*
 - 5 years (95%)
 - 12 years (90%)
 - 18 years (85%)
 - 25 years (80%)
- 10-year product warranty*
- IEC 61730, Application Class A for system voltages up to 1,000 V
- IEC 61215 tested and certified



Progression of the power warranty



TECHNICAL DATA

STP	190S-24/Ad+
STC Power Pmax (Wp)	190
STC Nominal Voltage Umpp (V)	36,6
STC Nominal Current Impp (A)	5,20
STC Open circuit voltage Uoc (V)	45,2
STC Short circuit current Isc (A)	5,62
800 W/m ² NOCT AM1.5 Power Pmax (Wp)	139
800 W/m ² NOCT AM1.5 Nominal Voltage Umpp (V)	33,1
800 W/m ² NOCT AM1.5 Open Circuit Voltage Uoc (V)	41,3
800 W/m ² NOCT AM1.5 Short Circuit Current Isc (A)	4,56
Rel. efficiency reduction @ 200W/m ² (%)	4
Tempcoeff Isc (%/°C)	+0,05
Tempcoeff Uoc (mV/°C)	-154
Tempcoeff Pmpp (%/°C)	-0,45
Module Efficiency (%)	14,9
NOCT °C	45
Max. System Voltage (V)	1000
Current value String fuse (A)	12
Fuse protection from parallel strings	4
Length (mm)	1580
Width (mm)	808
Height (mm)	35
Weight (kg)	15,5
Articlenumber	2000500034

Your IBC SOLAR partner:

24.08.2011

* 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/m²; 25°C, AM1.5. 800 W/m², NOCT. Specifications according EN60904-3 (STC). All datas according DIN EN 50380. Subject to modifications that represent process.