

SOLAR MODULES – MONOCRYSTALLINE

Suntech Power STP180S-24/Ad, STP185S-24/Ad



PRODUCT ADVANTAGES:

Applicable for grid connection and 24 V stand-alone-system

Power warranties*

- 25 years (80%)
 - 12 years (90%)
-

5 years product guarantee*

Power tolerance $\pm 3\%$

Mechanical load test up to 5400 PA

IEC 61215 tested and certified

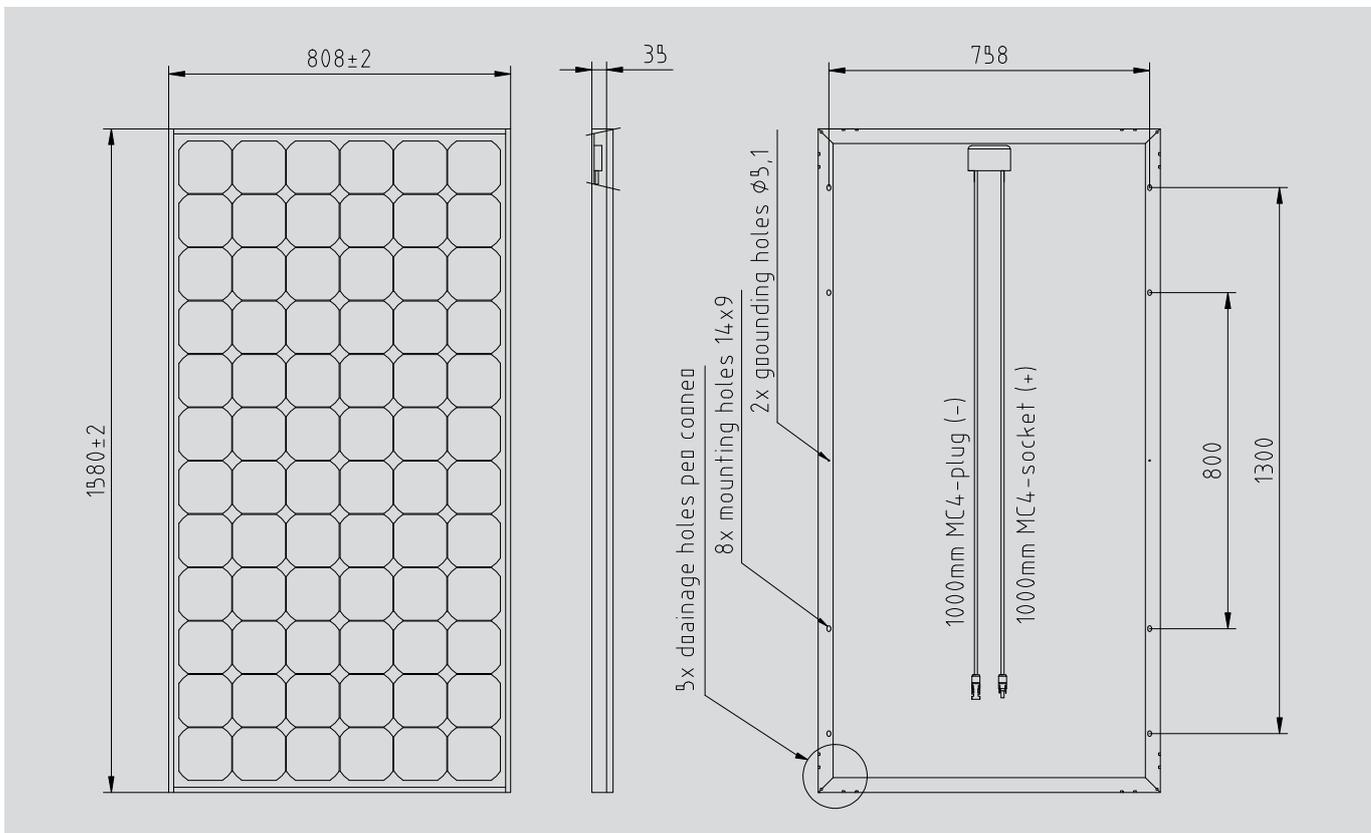
IEC 61730, Application Class A for a system voltage up to 1000 V

Fast and inexpensive mounting:

- Delivered ready for connection
 - Pre-confectioned cables
 - Multi-Contact plug-in connectors
 - Integrated bypass diodes
-

72 monocrystalline cells (125 mm \times 125 mm) configured geometrically for a 6 \times 12 matrix connected in series

100% end control with individual registration of the electrical characteristics



Dimensioned drawing STP180S-24/Ad, STP185S-24/Ad

TECHNICAL DATA

Suntech Power		STP180S-24/Ad	STP185S-24/Ad
Nominal peak power	W _p	180	185
Guaranteed minimum power	W _p	174.6	184.6
Nominal voltage	V	36.0	36.4
Nominal current	A	5.0	5.09
Open-circuit voltage	V	44.8	45.0
Short-circuit current	A	5.29	5.43
Max fuse rating	A	15	15
Temperature coefficient of I _{sc}	%/K	0.04	0.04
Temperature coefficient of U _{oc}	mV/K	-152	-152
Temperature coefficient of P _{max}	%/K	-0.48	-0.48
Length	mm	1580	1580
Width	mm	808	808
Height	mm	35	35
Weight	kg	17.2	17.2
Mounting holes (14 mm × 9 mm)	Pieces	8	8
Article numbers		2000500020	2000500024

Electrical values under standard test conditions: 1000 W/m²;
25 °C; AM 1.5.
Subject to technical changes for further improvements.