

Schüco S 125-SP

Photovoltaic Module

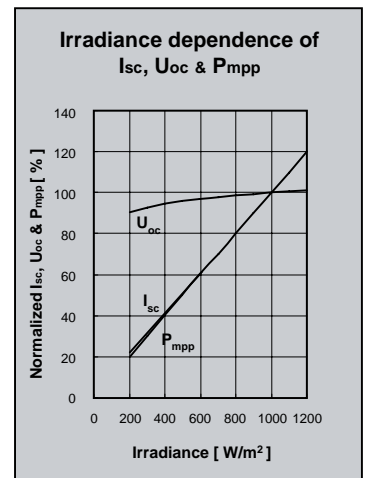
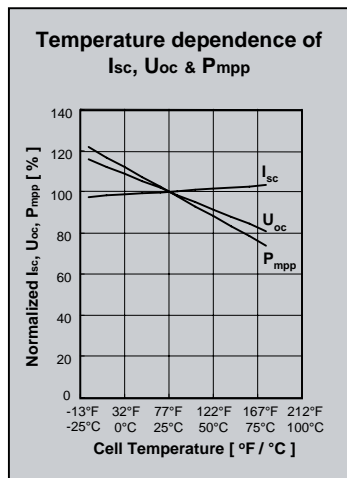
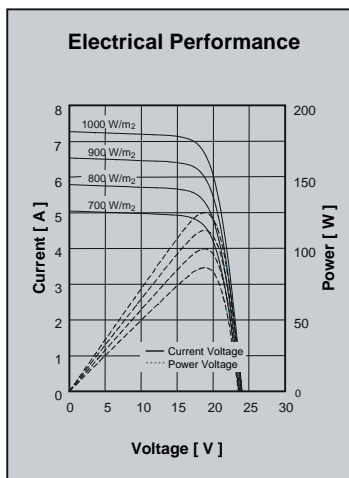
ELECTRICAL SPECIFICATIONS

Performance data (except NOCT) under standard test conditions STC*:

Rated output (P_{mpp})	125 W
Output tolerance (ΔP_{mpp})	+5% / -0%
Guaranteed minimum output ($P_{mpp \min}$)	125 W
Nominal voltage (U_{mpp})	18.8 V
Nominal current (I_{mpp})	6.65 A
Open circuit voltage (U_{oc})	24.0 V
Short circuit current (I_{sc})	7.27 A
Module efficiency	12.5%
Temperature coefficient α (P_{mpp})	-0.491 %/°C
Temperature coefficient β (I_{sc})	+0.065 %/°C
Temperature coefficient χ (U_{oc})	-0.364 %/°C
Temperature coefficient δ (I_{mpp})	+0.005 %/°C
Temperature coefficient ε (U_{mpp})	-0.489 %/°C
Normal Operating Cell Temperature (NOCT**)	46,6 °C
Maximum permissible system voltage (in accordance with UL & NEC)	600 V
Maximum permissible system voltage (in accordance with safety class II)	600 V

* STC: Intensity of solar irradiance 1000 W/m², air mass AM 1.5, cell temperature 77°F (25°C)

** NOCT: Intensity of solar irradiance 800 W/m², ambient air temperature 68°F (20°C), wind speed 2.24 mph (1 m/s)



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MECHANICAL SPECIFICATIONS

Outer dimensions	49.13 x 31.61 in. (1248 x 803 mm)
Height of aluminum frame	1.81 in. (46 mm)
Design of aluminum frame	Silver anodized (similar to RAL 7035)
Front glass	Tempered safety glass
Weight	27.56 lbs (12.5 kg)
Height of plug-in box	0.45 in. (11.5 mm)
Connecting system	Multi Contact Type 3
Diameter of solar cable	0.01 in. (4 mm ²)
Length of positive cable	49.2 in. (125 cm) ± 1.97 in. (5 cm)
Length of negative cable	31.5 in. (80 cm) ± 1.97 in. (5 cm)

CERTIFICATIONS & GUARANTEES

Suitability / Approval	UL 1703, IEC 61215 (DIN EN 61215)
Electrical classification	Safety Class II
Testing resistance using salt water spray test	DIN 50021
Testing resistance using condensation test	DIN 50017
Product guarantee	5 years
Performance guarantee (90% of $P_{mpp, min}$)	12 years
Performance guarantee (80% of $P_{mpp, min}$)	25 years

MISCELLANEOUS

Schüco article number S 125-SP	231 080
Packing unit	2 modules
Weight of packing unit	59.52 lbs (27 kg)
Schüco installation system	SolarEZ™

S 125-SP Spec Sheet 010406TR – All rights reserved. – Data given represent test results of an accredited German lab. - Specifications subject to change without prior notice.

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