

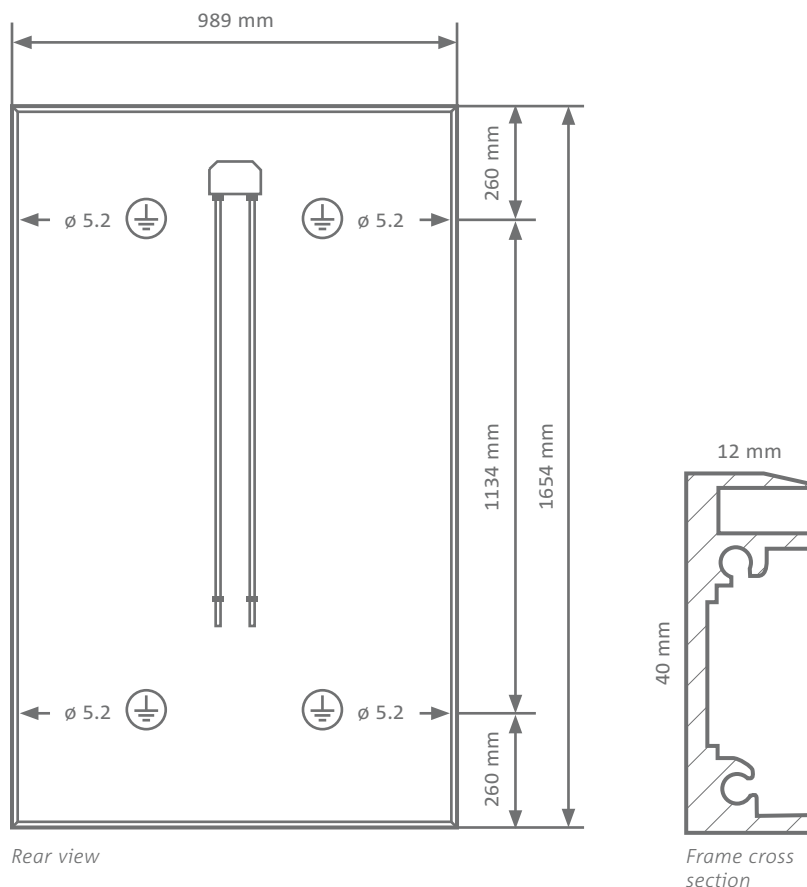
mp-tec S-line

polycrystalline PV module



10 years
product warranty

Made in
Germany



Rear view

Frame cross section

Electrical specifications ¹	S-line 255 P	S-line 260 P
STC ² rated output (<i>P_{max}</i>)	255 W	260 W
Standard sorted output	-0/+3%	
Warranted power output STC (<i>P_{mpp min}</i>)	255 Wp	260 Wp
Rated voltage (<i>V_{mpp}</i>) at STC	30.64 V	30.90 V
Rated current (<i>I_{mpp}</i>) at STC	8.39 A	8.48 A
Open circuit voltage (<i>V_{oc}</i>) at STC	37.45 V	37.78 V
Short circuit current (<i>I_{sc}</i>) at STC	8.85 A	8.93 A
Module efficiency	15.59 %	15.98 %
Rated output (<i>P_{mpp}</i>) at NOCT ³	189.6 Wp	193.4 Wp
Rated voltage (<i>V_{mpp}</i>) at NOCT	28.56 V	28.80 V
Rated current (<i>I_{mpp}</i>) at NOCT	6.64 A	6.72 A
Open circuit voltage (<i>V_{oc}</i>) at NOCT	35.58 V	35.89 V
Short circuit current (<i>I_{sc}</i>) at NOCT	7.08 A	7.14 A

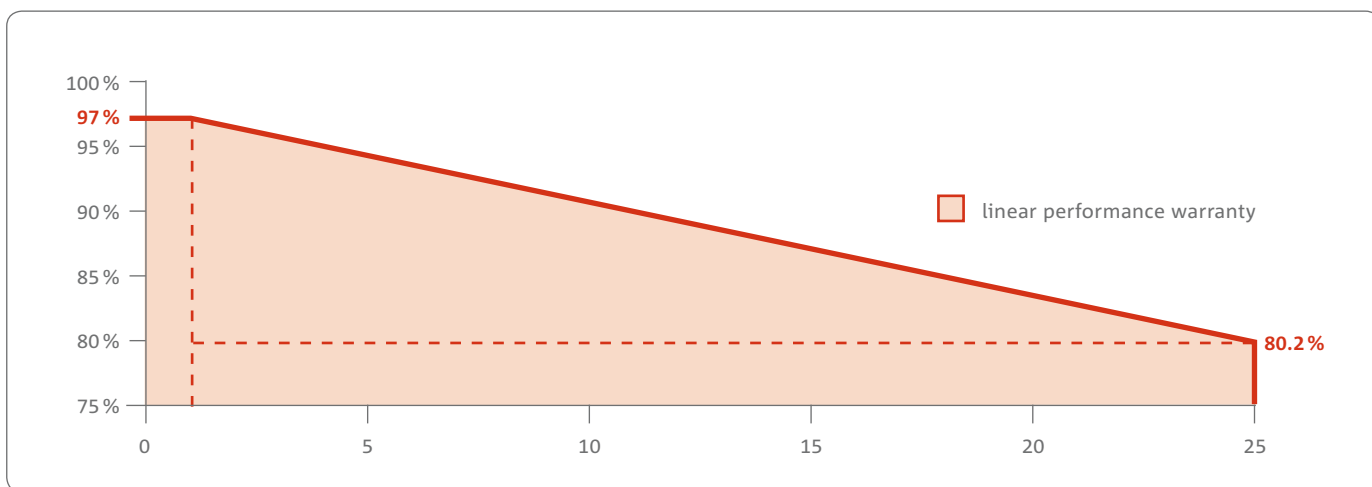
Temperature coefficient	
Rated power x (<i>P_{mpp}</i>)	-0.42 %/K
Open-circuit voltage (<i>V_{oc}</i>)	-0,32 %/K
Short-circuit current (<i>I_{sc}</i>)	+0,059 %/K
Normal operating cell temperature (<i>NOCT</i>)	46 °C (±2 °C)

Stress tolerance	
Maximum system voltage	1000 Vdc
Number of diodes	3
Reverse current loadability (<i>I_R</i>)	20 A
Maximum series fuse rating	15 A

Mechanical specifications	
Outer dimensions (L x W x H) ⁴	1654 x 989 x 40 mm
Frame technology	Aluminium, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.2 kg
Front glass thickness	3.2 mm
Junction box IP rating	IP 67
Cable length	1000 mm
Cable diameter	4 mm ²
Maximum load capacity ⁵	6000 Pa
Fire class (IEC 61730)	C
Connector type	MC4 pluggable

Related parameters	
Cell type	polycrystalline cell, 3-busbar technology
Number of cells/cell arrangement	60/6x10
Cell dimension	156x156mm ²
Packing unit	35 modules
Weight of packing unit	720 kg

Qualification and linear warranties	
Product standard	IEC 61215 Ed. 2, IEC 61730
Extended product warranty ⁶	10 years
Performance warranty ⁶	linear performance warranty
Year 1	>97% of warranted output power
Year 25	>80% of warranted output power



¹ Measuring uncertainty Pmpp: +/- 3%; Tolerance for Voc, Isc, Vmpp and Imp: +/- 10 %

² Standard test conditions that are defined as follows:

1000 W/m² irradiation at a spectral density of AM 1.5 and a cell temperature of 25°C,

³ Nominal operating temperature of the cell at 800 W/m² irradiation, 20°C ambient temperature, wind speed of 1 m/s

⁴ Dimensional tolerance: +/- 2 mm

⁵ In accordance with IEC 61215 Ed. 2

⁶ According to the current warranty conditions of manufacturer

⁷ Manufactured in an ISO 9001/14001 certified facility

