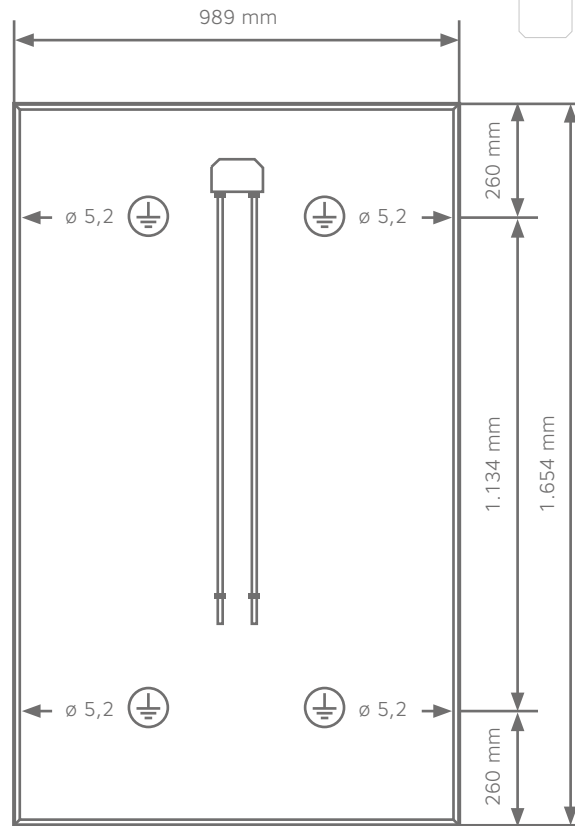
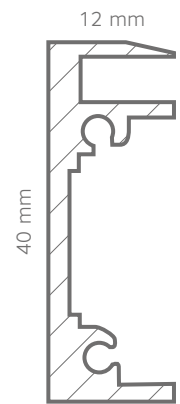


MP-TEC SOLAR MODULE **S.LINE**

POLYCRISTALLINE SOLAR MODULE



Rear view



Frame cross section

TECHNICAL DATA

Electrical specifications¹

	S.LINE 260	S.LINE 265
STC ² rated output (<i>P_{max}</i>)	260 Wp	265 Wp
Standard sorted output	-0/+3 %	
Warranted power output STC (<i>P_{mpp min}</i>)	260 Wp	265 Wp
Rated voltage (<i>V_{mpp}</i>) at STC	30.90 V	31.16 V
Rated current (<i>I_{mpp}</i>) at STC	8.48 A	8.57 A
Open circuit voltage (<i>V_{oc}</i>) at STC	37.78 V	38.12 V
Short circuit current (<i>I_{sc}</i>) at STC	8.93 A	9.01 A
Module efficiency	15.98 %	16.20 %
Rated output (<i>P_{mpp}</i>) at NOCT ³	193.4 Wp	197.3 Wp
Rated voltage (<i>V_{mpp}</i>) at NOCT	28.80 V	28.90 V
Rated current (<i>I_{mpp}</i>) at NOCT	6.72 A	6.89 A
Open circuit voltage (<i>V_{oc}</i>) at NOCT	35.89 V	36.20 V
Short circuit current (<i>I_{sc}</i>) at NOCT	7.14 A	7.21 A

Temperature coefficient

Rated power (<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 (NOCT)	46°C ±2°C

Stress tolerance

Maximum system voltage	1,000 VDC
Number of diodes	3
Reverse current loadability (IR)	20 A
Maximum series fuse rating	15 A

Mechanical specifications

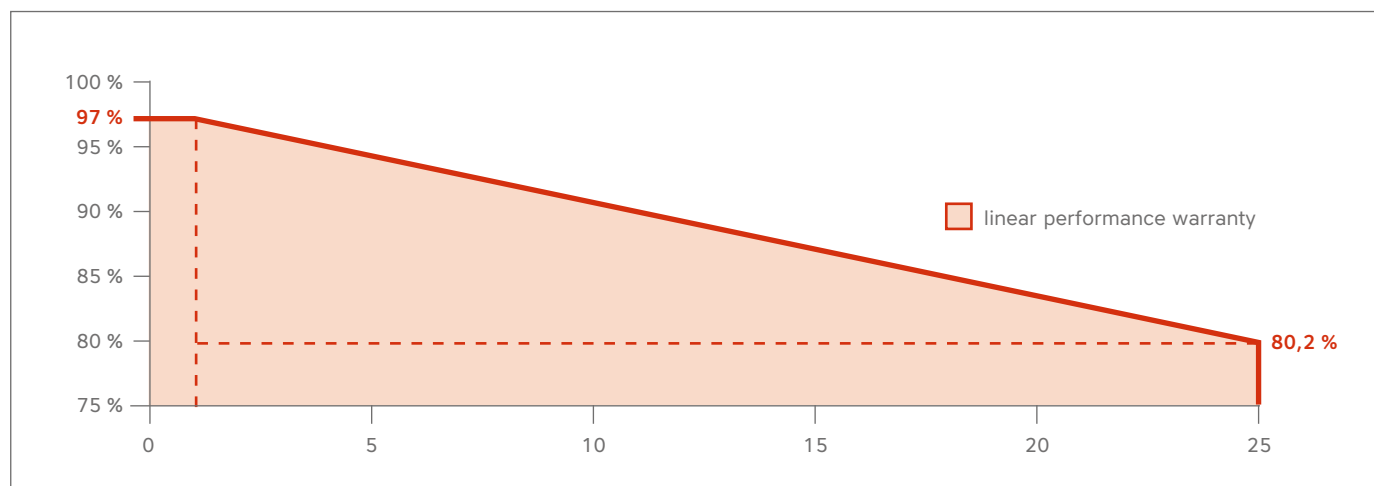
Outer dimensions ($L \times W \times H$) ⁴	1,654 x 989 x 40 mm
Frame technology	Aluminium, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (<i>module only</i>)	18.2 kg
Front glass thickness	3.2 mm
Junction box IP rating	IP 67
Cable length	1,000 mm
Cable diameter	4 mm ²
Maximum load capacity ⁵	6,000 Pa
Fire class (<i>IEC 61730</i>)	C
Connector type	MC4 pluggable

Related parameters

Cell type	polykristalline Zelle mit 3-busbar Technologie
Number of cells / cell arrangement	60 / 6 x 10
Cell dimension	156 x 156 mm 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 P_{mpp} : +/- 3 %; Tolerance for V_{oc} , I_{sc} , V_{mpp} and I_{mpp} : +/- 10 %

² Standard test conditions that are defined as follows:

1,000 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

