



POWERSLATE MONO FS SERIE









PSMFS320 | PSMFS325 | PSMF5330

The „PowerSlate FS Serie V2“ is the newest frameless panel developed by Soluxtec that is based on its original series. Due to the success met in a niche market. Soluxtec decided to update it in order to match the higher power class demands of customers.

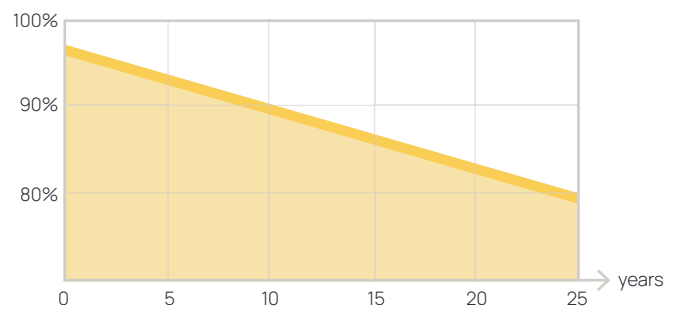
Indeed, Soluxtec worked out of the same aesthetic clean-cut-design and mainly focused on power gain. The PowerSlate FS Serie V2 is available in white, black or transparent. The PowerSlate FS Serie V2 is the perfect panel to meet aesthetic needs, permitting light transmission in the transparent configuration or even in combination with a BIPV-solution.



Aesthetics is the most suitable noun to characterize the PowerSlate FS Serie V2 whilst offering forthwith an improved efficiency. Soluxtec recommends using this product for residential projects or wherever aesthetics is paramount.

Features

-  PID free certified
-  Mono FS Perc Cells
-  4 mm glass thickness
-  100% EL Quality Control
-  Selfcleaning
-  Excellent thermal properties
-  Positive sorting 0 / + 4,99 Wp
-  Aesthetic & Reliability

Quality Guarantee



-  20 years product warranty
-  25 years linear performance warranty

Certifications



POWERSLATE MONO FS SERIE

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Electrical Parameters under STC Conditions

(1000 W/m², 25°C +/-2°C, AM=1,5 according to IEC 60904_3)

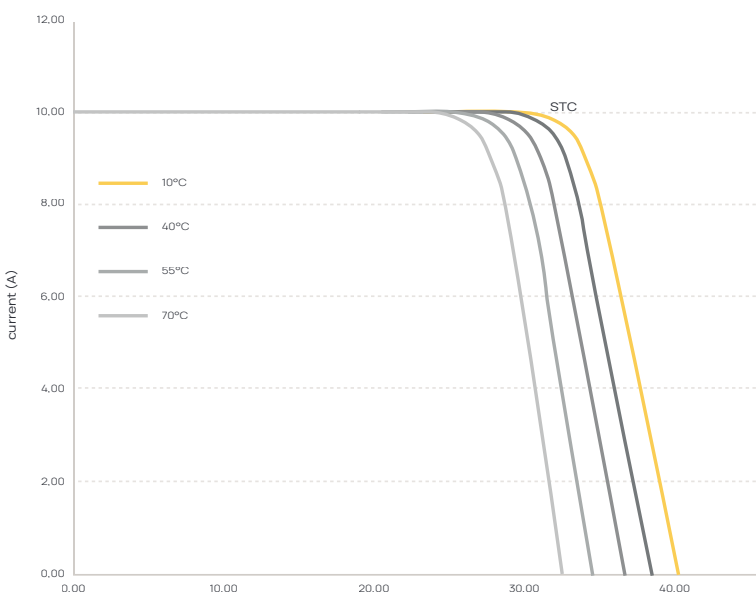
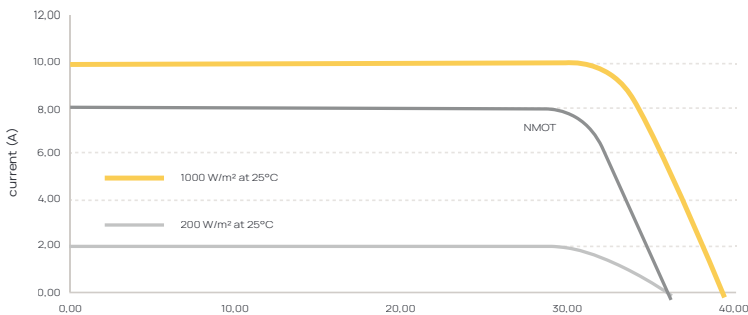
Model	PSMFS320	PSMFS325	PSMFS330
Maximum PowerPoint (Pmax)	320	325	330
Open Circuit Voltage (Voc)	40,61	41,11	41,58
Short Circuit Current (Isc)	10,00	10,05	10,08
Maximum Power Voltage (Vmpp)	33,00	33,29	33,43
Maximum Power Current (Impp)	9,71	9,78	9,88
Module Efficiency (%)	19,15	19,45	19,75
Power Tolerance (Wp)	0 - 4,99 Wp		
Temperature coefficient TC Isc	+ 0,048 %/°C		
Temperature coefficient TC Voc	- 0,330 %/°C		
Temperature coefficient TC Pmpp	- 0,380 %/°C		

Power measurement of flasher unit +/- 3%

Electrical Parameters under NMOT conditions

(800 W/m²; NMOT, AM=1,5)

Model	PSMFS320	PSMFS325	PSMFS330
Maximum PowerPoint (Pmax)	235	240	244
Open Circuit Voltage (Voc)	37,51	38,01	38,48
Short Circuit Current (Isc)	8,00	8,05	8,07
Maximum Power Voltage (Vmpp)	30,32	30,61	30,75
Maximum Power Current (Impp)	7,77	7,83	7,91



Operating Conditions

Max. Operating Voltage:	1000 Vdc
Protection Class:	Class II
Operating T° range:	-40°C ... +85°C
Max. Reverse Current:	16 A
STC 25°C:	+/- 2°C
NMOT 45°C:	+/- 2°C
Design load + (snow):	1600 PA
Maximum test load +:	2400 PA*
Design load- (wind):	1600 PA
Maximum test load -:	2400 PA*

*safety factor 1,5

Mechanical Properties

Dimensions:	1660 x 1000 x 5,5 mm
Weight:	18,5 kg +/- 3 %
Cell:	60 mono Perc FS 5bb
Junction Box:	IP67, 3 diodes potted
Connectors:	MC4 or MC4 compatible
Cables:	2 x 900 mm
Solar Glass:	4 mm tempered ARC

Packaging

Per Pallet:	25 modules
Per Truck:	30 pallets

Certifications

IEC 61215, EN 61730, IEC61701, IEC62804, LVO 2014/35/EU, EMC 2014/30/EU, INMETRO

Mechanical Specification

