

Energía Solar Fotovoltaica

Módulo amorfo de silicio

Sunset SunOne

cablemat
solar

CABLEMAT SOLAR BARCELONA
C/ Almogàvers 141 (nave)
08018 Barcelona
Tel 93 309 66 66
Fax 93 309 98 99

CABLEMAT SOLAR MADRID
C/ Empleo, 39 (nave)
28906 Getafe
Tel 91 552 80 91
Fax 91 552 10 25

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MÓDULOS AMORFO CONEXION A RED



SUNone® SL1 F Series

Module description SUNone® Series

Advanced manufacturing technology enables the production of highly efficient and large-area, ultra-thin amorphous layers, we utilized in our new SUNone® Series. All SUNone® Modules are made from SUNsilicon® which ensures that systems are optimized for high performance and long term reliability.

The frameless laminate SUNone® is especially designed for large scale, grid-connected solar power plants.

Due to the low temperature coefficient, it is more efficient than other types of solar cells. The yield per year is at least comparable to that of crystalline silicon, especially in hot environment.



Technical specifications SUNone® ¹⁾		60	65	70	75	80	85
Rated power P_{max} +/- 5%	[W _p]	60	65	70	75	80	85
Minimalleistung P_{min} ²⁾	[W _{pmin}]	57	61.8	66.5	71.3	76	80.8
Rated current I_{MPP}	[A]	1.23	1.29	1.36	1.40	1.43	1.46
Rated voltage U_{MPP}	[V]	48.8	50.4	51.5	53.6	55.9	58.2
Short circuit current I_{SC}	[A]	1.49	1.50	1.53	1.56	1.58	1.61
Open circuit voltage U_{OC}	[V]	64.9	66.0	67.3	68.9	70.6	72.4
Max. System voltage	[V]	1000					

Length	[mm]	1196 (SL1:1190)					
Width	[mm]	636 (SL1:630)					
Height	[mm]	36 (SL1: 7.4)					
Weight	[kg]	14.5 (SL1: 13.2)					
Temperature Coefficient of I_{SC}	[%/K]	+0.00 ±0.04					
Temperature Coefficient of U_{OC}	[%/K]	-0.33 ±0.04					
Temperature Coefficient of P_{max}	[%/K]	-0.42 ±0.04					

Limited warranty for 20 years power output¹⁾

Sortintolerance: ± 5 %²⁾

W_P = Peak power under Standard Test Conditions:

Air Mass	AM = 1,5
Irradiation	E = 1000 W/m ²
Cell-Temperature	T _c = 25 °C

Connection box with Click-o-tec® connectors (MC4)



Advanced Si thin film design produces high energy across a wide range of climatic conditions with excellent low light response.

The frameless module design with a front side of 4mm tempered low iron glass and a back side of 4mm floating glass made of makes the SUNone® robust and allows for thermal expansion.

The modules surface has a uniform colour, allowing these environmentally friendly modules also to be installed on buildings in an aesthetically pleasing manner.

*) according to SUNSET Warranty terms

1) unless otherwise indicated, all measurement values are nominal values with a tolerance of ± 10 %

2) at production time

Specifications subject to technical changes.

Pictures similar. Rev 07/2008