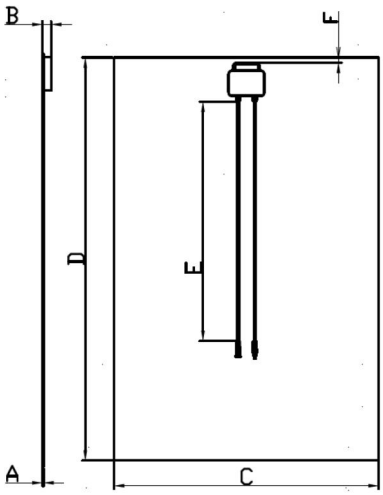
SAM66/6 LAM frameless



General specifications	
Manufacturer	Sunage S.A.
Production site	Switzerland
Cells type	Monocrystalline silicon
Cells dimension	Pseudosquare 156x156mm 3 busbars
No. of cells	66
Glass type and thickness	Texturized solar glass 4mm thick
Junction box	Aluminium junction box IP 67 Safety Class II
No. of by-pass diodes	3, Schottky type
Connections	2 cables 1m long MC4 compatible connectors

Warranty	
Whole product	12 years
Power output	Linear decay ≤ 0.6%/year up to 25 years, initial decay ≤ 2%

Certificates
IEC 61215 Ed.2.0 - EN 61730-1 - EN 61730-2

Caratteristiche fisiche	
Height (mm)	1.808
Width (mm)	985
Thickness (mm)	5
Weight (Kg)	21
Maximum snow load	5.400 Pa
Maximum wind speed	130 Km/h
Hail	G5 Class; Ø 50 mm; 59.9 gr; 30.8 m/sec
A (mm)	5
B (mm)	34
C (mm)	985
D (mm)	1.808
E (mm)	1.000
F (mm)	15
Tolerance ± 2%	

In order to correctly and safely install the modules please refer to Sunage Installation Manual

** The electrical specifications are measured under STC conditions (1000 W/sqm, 1.5 Air Mass Spectrum, cells temperature 25°C); the reference module used to set our Sun Simulator has been calibrated by SUPSI University in calibration tolerance and of the guaranteed performances of the simulator.

Electrical specifications**

Nominal Power (Wp)	Tolerance (Wp)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	*Current Temp. Coeff. α (%/°C)	*Voltage Temp. Coeff. β (%/°C)	*Power Temp. Coeff. γ (%/°C)	R shunt (Ohm)	R series (Ohm)
SAM 66/6 LAM 285	+4.9/-0	34.05	8.38	42.37	9.01	0.048	-0.29	-0.427	170	0.370
SAM 66/6 LAM 290	+4.9/-0	34.63	8.39	42.71	9.09	0.048	-0.29	-0.427	180	0.369
SAM 66/6 LAM 295	+4.9/-0	34.83	8.48	43.01	9.12	0.048	-0.29	-0.427	190	0.368
SAM 66/6 LAM 300	+4.9/-0	35.03	8.58	43.31	9.15	0.048	-0.29	-0.427	200	0.365
SAM 66/6 LAM 305 ***	+4.9/-0	35.23	8.67	43.61	9.18	0.048	-0.29	-0.427	210	0.364
SAM 66/6 LAM 310 ***	+4.9/-0	35.49	8.76	43.90	9.21	0.048	-0.29	-0.427	220	0.363

***versions only available with white backsheet	
NOCT: 45°C	Operating temperature: - 40 °C + 85°C
Maximum system voltage: 1000 V	* The thermal coefficients refer to Isc,Voc e Pn