



General specifications

Dealer	Sunage S.A. Via Motta, 4 – 6828 Balerna, SWITZERLAND
Cells type	Si-Polycrystalline
Cells dimension	Square 156x156mm 3 busbars
No. of cells	60
Glass type and thickness	Texturized solar glass 3.2 mm thick
Junction box	IP 65 Safety Class II
No. of by-pass diodes	3, Schottky type
Connections	2 cables 900mm long; MC4 compatible connectors
Frame	Anodized aluminum

Warranty

Whole product	12 years
Power output	Linear decay $\leq 0,65\%$ /year up to 25 years, initial decay $\leq 3\%$

Certificates

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

Mechanical specifications

Height (mm)	1640
Width (mm)	992
Thickness (mm)	40
Weight (Kg)	17.5
Maximum snow load	5.400 Pa
Maximum wind speed	130 Km/h
Hail	G3 - \varnothing 25 mm; $V= 23$ m/sec
A (mm)	40
B (mm)	860
C (mm)	1360
D (mm)	1640
E (mm)	992
F (mm)	942
G (mm)	900
H (mm)	grounding hole \varnothing 4.2
AA (mm)	mounting hole \varnothing 9 x 14
Tolerance	+/- 2 %

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

Electrical specifications**

** 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 ENDEAS Quick Sun 700A simulator.

Module	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)
SAP 60/6 250 Wp	250	+4,9/-0	30,20	8,29	37,30	8,84	0,04	-0,29	- 0,39
SAP 60/6 255 Wp	255	+4,9/-0	30,30	8,42	37,40	8,98	0,04	-0,29	- 0,39
SAP 60/6 260 Wp	260	+4,9/-0	30,40	8,57	37,50	9,12	0,04	-0,29	- 0,39

NOCT: 45°C \pm 2°C

Operating temperature: - 40 °C + 85°C

Maximum system voltage: 1000 V

* The thermal coefficients refer to Isc, Voc e Pn

Maximum series fuse rating 15 A

Modules per pallet : 26 pcs