

WARRANTIES AND CERTIFICATES

- 10 year product warranty*
- 25 year linear power output warranty
- 3.5% energy production derating in the first year and 0.7% p.a. in the following 24 years
- IEC 61215
- IEC 61730

* The warranty will not apply if the modules are not installed as indicated in the operating manual.



STRUCTURE

- 3.2 mm protective tempered glass with ARC (Anti Reflective Coating)
- Cells encapsulated in high quality EVA (ethylene vinyl acetate)
- High performance impermeable backsheet

BEHAVIOUR UNDER STANDARD TEST CONDITIONS

(1000 W/M² -25°C)

	cells	P _{max} (W)	V _{oc} (V)	V _{mp} (V)	I _{sc} (A)	I _{mp} (A)	Eff. (%)
S610 XM	60	240	32,91	29,81	8,60	8,01	14,46
		245	37,13	30,09	8,69	8,11	14,76
		250	37,35	30,33	8,78	8,21	15,06
		255	37,57	30,57	8,87	8,30	15,36
		260	37,39	30,82	8,96	8,40	15,67

Mechanical characteristics	S610 XM	Other electrical characteristics	S610 XM
Cell type	Pseudo-square monocrystalline silicon	NOCT (°C):	40,10
Cell dimensions (mm)	156x156	Thermal variation for short circuit current (%/°C)*:	0,042
Module dimensions LxWxH (mm)	1663x998x35	Thermal variation for vacuum voltage (%/°C):	-0,335
Weight (kg)	18	Thermal variation for maximum power (%/°C)*:	-0,454
Junction box*	Compel SLIMBox-4r	Performance tolerance (%):	+/-3
by-pass diodes	3	Max. system voltage (V):	1000

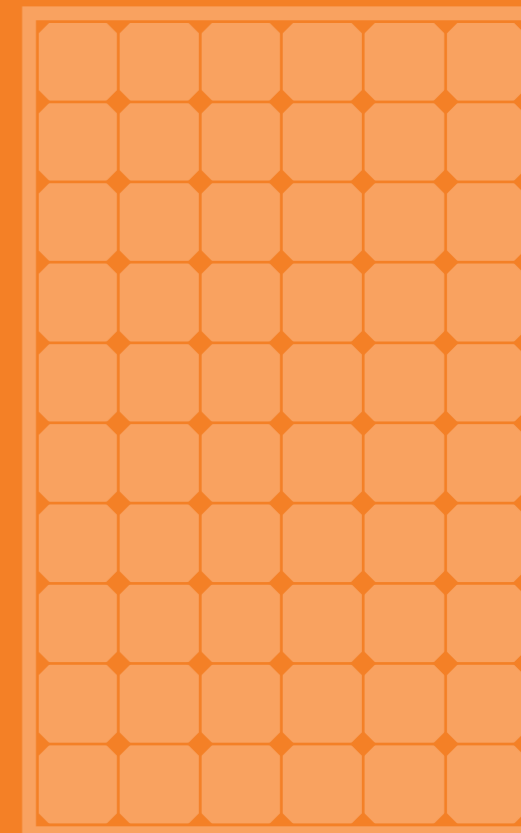
*Connection cables optional

*Measured by Fraunhofer ISE

Printed on
100%
recycled paper.

release 4.1

solsonica 



Solsonica

Maximo

Maximum efficiency. Maximum earnings.
Even with a minimum of light.

Solsonica S.p.A.
viale delle Scienze 5 - 02015 Cittaducale (RI)
tel +39 0746 604500 - fax +39 0746 604309

www.solsonica.com
sales@solsonica.com

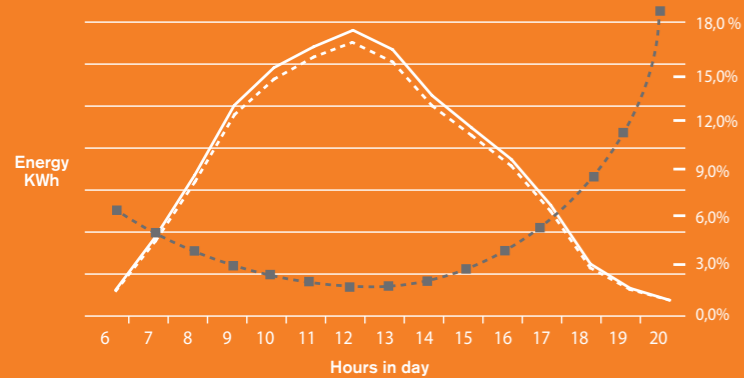
From sunrise to sunset, maximum solar power all the time

Solsonica Maximo sets a new standard: a 60 cell solar module with power output reaching 260 watt and efficiency topping 15.6%.

Further, the special anti-reflection glass enhances capture of sunlight, enabling the Solsonica Maximo to produce more energy. This means that maximum energy can be produced even in low luminosity conditions, as on cloudy days or at sunrise and sunset.

The immediate advantage of a plant employing the Solsonica Maximo is that it can produce 3% more Kwh a day, on average, than a plant of the same size that uses traditional modules.

PRODUCTION POTENTIAL (KWh) COMPARED Solsonica Maximo vs traditional module



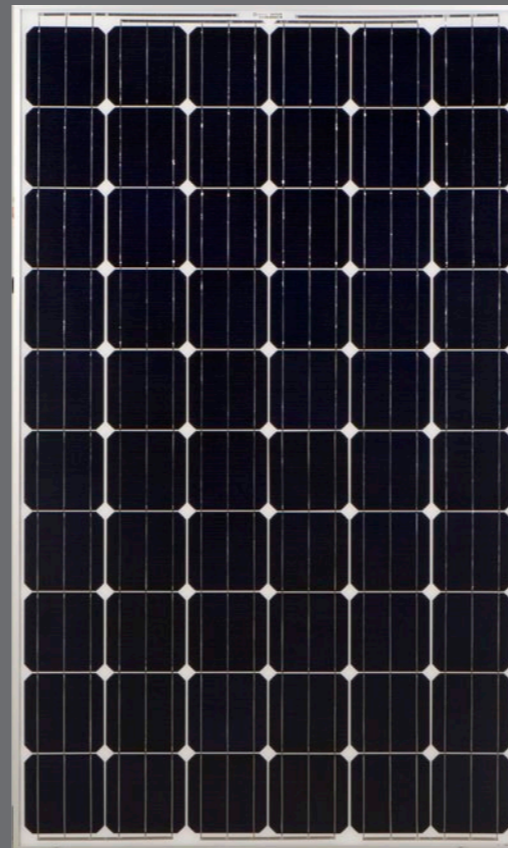
--- %KWh vs traditional module
 — KWh_Maximo
 - - - KWh_traditional module

Data: 8 module test platform (4 Maximo modules and 4 traditional modules, same Kwp). Average for June, sunny conditions, central Italy.

Maximum yield, minimum maintenance

The combination of mono-crystalline technology and a 3 bus-bar layout guarantees the highest output of watts per square metre, thus optimising available space and reducing roof loading.

This enables you to obtain maximum output from your plant and maximum return on your investment. Further, a plant fitted with Solsonica Maximo requires less maintenance because its special glass surface is hydrophilic: water runs off it more easily, without leaving marks and taking away residual dirt.



TECHNICAL DRAWINGS

