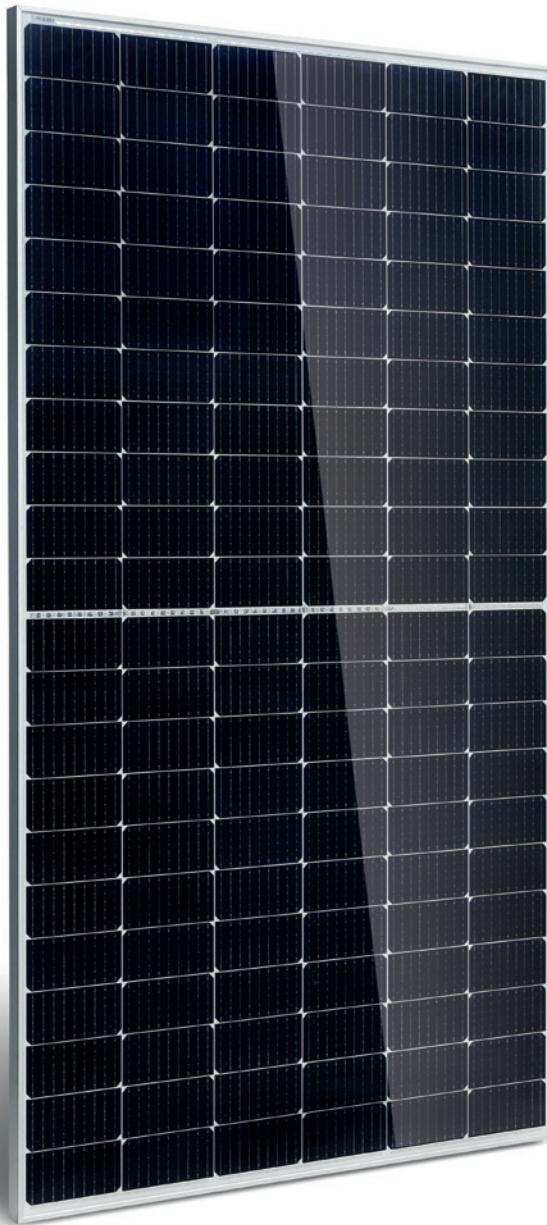


Silver 510



2094 x 1134 mm



Silver 510

High efficiency photovoltaic modules ideal for civil and commercial installations.

132 MONO crystalline cells in a **Half-cell** configuration with **PERC** technology welded up to 11 busbar.



30 years warranty on the product

Guaranteed output Power > **84.8 %** after 25 years

100% made in **Italy** **Photovoltaic** modules, made with **passion**.

Let's start from the **warranty: 30** years on the product.

Clearly to give such a warranty the product must be made with the highest care:

- We only use the **highest quality raw materials**;
- We automated **each step** of our production process;
- We supervise every step of the production with dedicated operators for **visual** and **technical inspection**: we want to be sure to reach the highest quality standard available;
- A final production line **check** is applied **to 100% of the panels** at the end of the production phase to ensure the excellence of our products.



High performance reliability even with environmental temperature shifts



Higher power production



High mechanical stress resistance



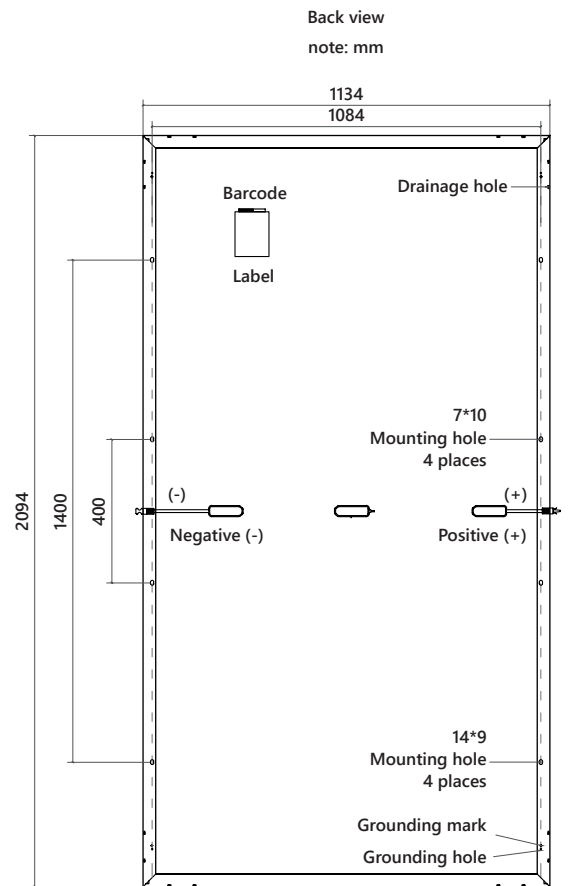
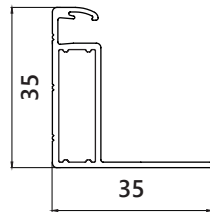
Minimal impact from shade to power production



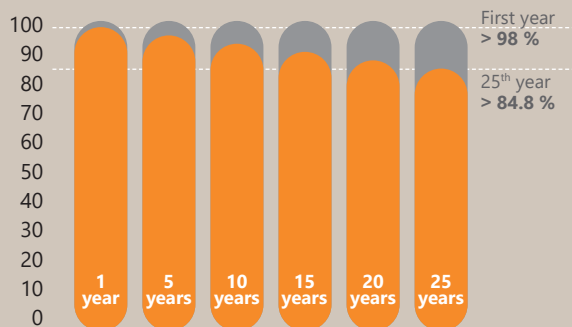
Felling of hot spot generation risk

Mechanical Data

Cell Type	type Mono-crystalline
Cell Arrangement	132 (6x22)
Module Dimensions	2094 x 1134 x 35 mm
Weight	26 kg
Module Structure	Glass / Encapsulant / Backsheet
Glass Thickness	3.2 mm
Module Classification	Class II
Protection class	
Junction Box Rating	IP68
Cables	4mm ² / 1300 mm
Connector Type	PV-ZH202B or MC4 Compatible (1000V) PV-ZH202B or MC4 EVO 2A Compatible



Highest level power output



Power output >
84.8

after 25 years

Certificazioni

- IEC 61215 Certificazione requisiti di prestazione dei moduli fotovoltaici
- IEC 61730 Certificazione di sicurezza del modulo
- IEC 62716 Resistenza alla corrosione da atmosfera con alta percentuale di ammoniaca
- IEC 61701 Resistenza alla corrosione da nebbie saline



Electrical Specifications

Module Type	G495M10-66HSW		G500M10-66HSW		G505M10-66HSW		G510M10-66HSW	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pm (W)	495	375	500	379	505	383	510	387
Imp (A)	13.14	10.42	13.22	10.48	13.29	10.54	13.36	10.59
Vmp	37.68	36.02	37.84	36.17	38.01	36.34	38.18	36.50
Isc (A)	13.99	11.22	14.07	11.29	14.14	11.34	14.21	11.40
Voc (V)	45.46	43.18	45.60	43.31	45.73	43.44	45.87	43.57
Module Efficiency	20.85%		21.06%		21.27%		21.48%	

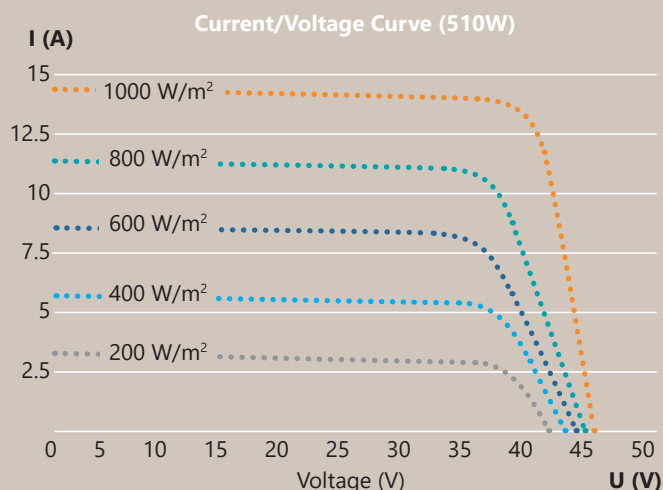
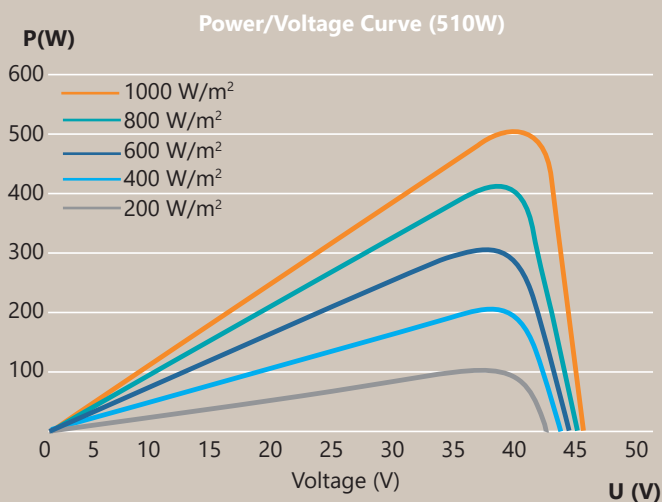
Pmax Tolerance 0/+3% - STC: AM1.5 1000W/m² 25°C - NOCT: AM1.5 800W/m² 20°C 1m/s - Measurement uncertainty: ± 3%

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	42 ± 3 °C
Temperature Coefficient of Isc	+0.0448% / °C
Temperature Coefficient of Voc	-0.246% / °C
Temperature Coefficient of Pmax	-0.330% / °C

Packaging

Pallet Dimensions	2145 x 1140 x 1250 mm
Container	40' HQ
Pieces per Pallet	31
Pieces per Container	682



Maximum Ratings

Operating Temperature	-40 °C to +85 °C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1000 V / 1500 V DC (IEC)
Maximum Series Fuse Rating	25A
Number of diodes	3
Fire Rating Class	Class 1

Disclaimer: due to ongoing technological advancements, the parameters of the product will be adjusted to the needs. At the moment of the contract signing the latest data available stated by the company are the ones that will be referred to.

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Italian panel generation

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