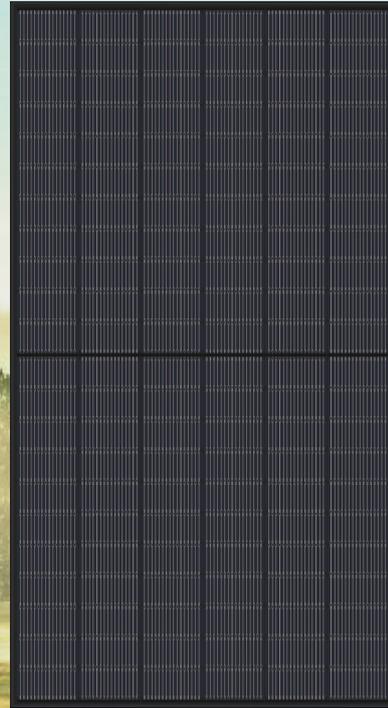




# SOLENSO

## ICON series

500W-525W M10 N-type Topcon PV module  
(Positive power tolerance of 0~+5W)



Front Side



Back Side

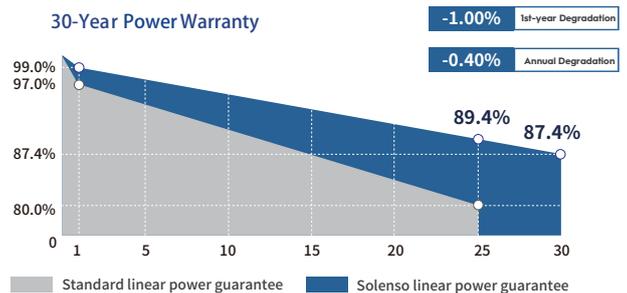
### CERTIFICATES



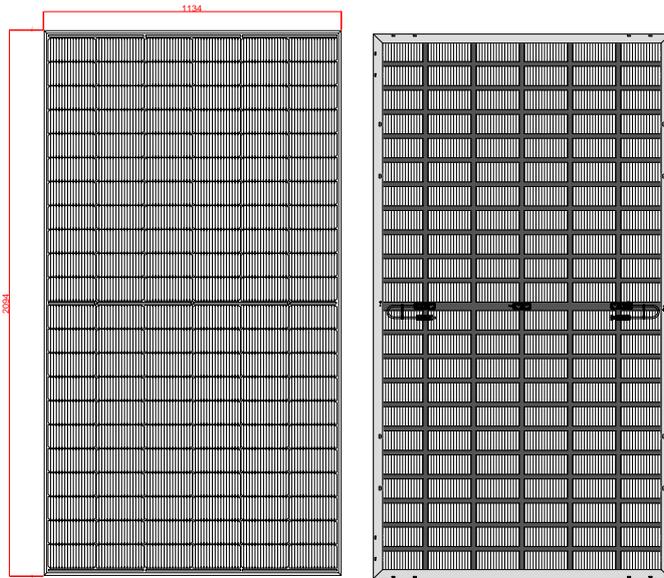
### KEY FEATURES

- Higher Power Density & Efficiency**  
 UP to 525 W power and 22.12 % module efficiency.
- MBB Half Cut Cell With Topcon Technology**  
 Half cut and MBB technology brings more BOS saving.
- Enhanced Mechanical Performance**  
 Excellent Temperature Coefficient, Up to 5400 pa positive load and 2400 Pa negative load
- Lower Shading Effect**  
 Parallel circuit design reduces Module power loss.
- Better Low-light Performance**  
 Better temperature coefficient.

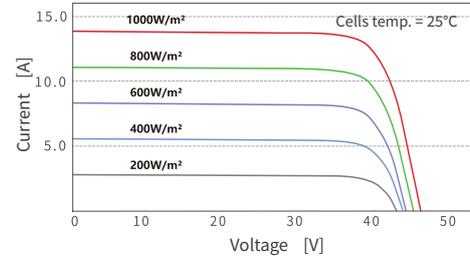
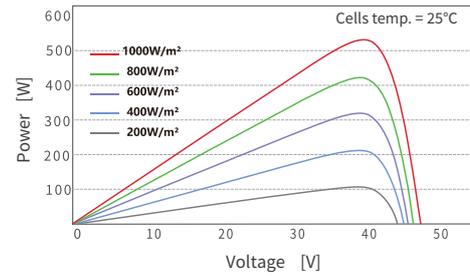
- Excellent PID resistance**  
 Ensured PID resistance through cell process and module material control
- Double Sided Power Generation**  
 Bifaciality is up to 80%, up to 30% more energy yield than conventional modules.
- Additional Value**



## Engineering Drawings



## P-V/I-V Curve



## Electrical Parameter

Model		ICON-66M10G-500	ICON-66M10G-505	ICON-66M10G-510	ICON-66M10G-515	ICON-66M10G-520	ICON-66M10G-525
Test Environment		STC	STC	STC	STC	STC	STC
Maximum Power Pmax (W)		500	505	510	515	520	525
Open Circuit Voltage Voc (V)		46.15	46.29	46.43	46.57	46.7	46.92
Short Circuit Current Isc (A)		14.03	14.10	14.17	14.24	14.31	14.38
Maximum Power Voltage Vm (V)		37.44	37.62	37.79	37.97	38.14	38.31
Maximum Power Current Im (A)		13.35	13.42	13.49	13.56	13.63	13.70
Module Efficiency (%)		21.06	21.28	21.48	21.69	21.90	22.12
<b>RearSide</b>	5%	525 Wp	529 Wp	535 Wp	541 Wp	547 Wp	551 Wp
		22.11%	22.29%	22.55%	22.77%	22.99%	23.2%
<b>Power</b>	15%	575 Wp	581 Wp	587 Wp	592 Wp	598 Wp	604 Wp
		24.22%	24.48%	24.70%	24.94%	25.18%	25.44%
<b>Gain</b>	25%	625 Wp	632 Wp	638 Wp	644 Wp	650 Wp	656 Wp
		26.33%	26.64%	26.85%	27.11%	27.37%	27.66%

\*STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25°C, AM=1.5, testing tolerance < +/-3%

The Electrical performance parameters are neither just referred to one PV panel, nor are a part of the contract; They are only used as reference.

## Materials Parameters

Cell Type	N-type Mono 182mm
Number of Cells	2 x 66 Cells
Dimension	2094 x 1134 x 35 (mm)
Weight	29.5 Kg
Glass	2.0 mm x 2 semi-toughened glass (Black Mesh Glass)
Cables	4mm <sup>2</sup> , 300mm, (Customizable)
Junction Box	IP ≥ 68, 3 Diode
Connector	EVO2 or EVO2 compatible
Mechanical Test Load (Front)	5400Pa
Mechanical Test Load (Back)	2400Pa

## Packing

Container	40' HQ
Module / Pallets	31
Module / Container	682

## Temperature Parameter

Nominal Operating Cell Temp.	42°C (±2°C)
Temp. Coeff. of Pmax (%/°C)	-0.29
Temp. Coeff. of Voc (%/°C)	-0.25
Temp. Coeff. of Isc (%/°C)	0.045

## Maximum Rating Parameter

Tolerance (W)	0~+5w
Maximum System Voltage (V)	DC 1500
Operating Temperature (°C)	-40 to 85
Max.Series Fuse (A)	30

## Certification

IEC / EN 61215-1:2016;  
IEC / EN 61215-1-1:2016;  
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;  
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;  
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Contact with [info.eu@solenso-global.com](mailto:info.eu@solenso-global.com), or visit [www.solenso-global.com](http://www.solenso-global.com)

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