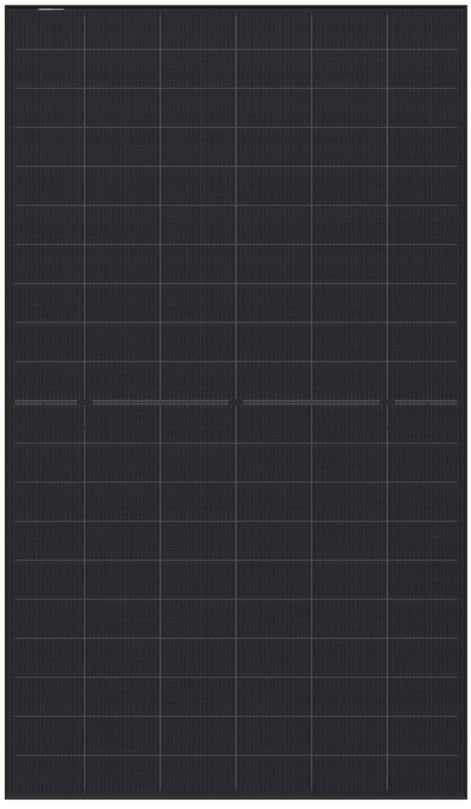
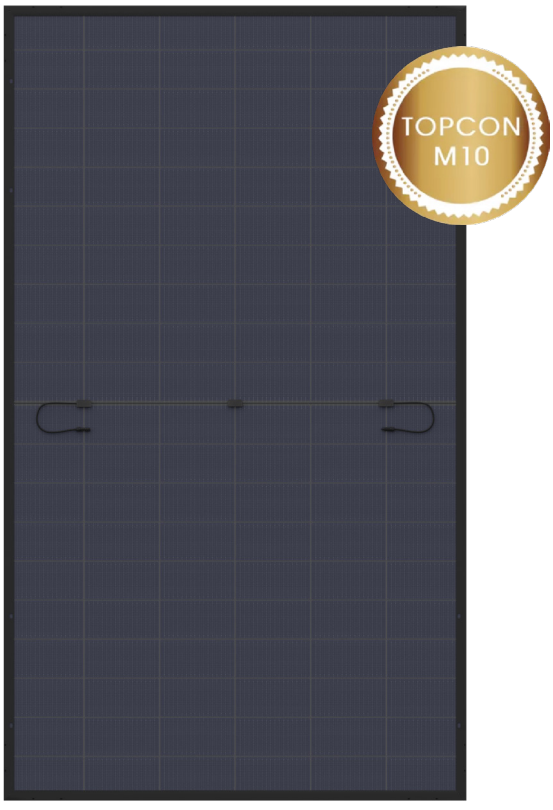




ICON-60M10RCG
(490-500 W)

TOPCON N-TYPE

- UNINTERRUPTED TECHNOLOGY
- MODULE MONO BIFACIAL
- REDUCTION OF SHADING AND RESISTANCE LOSS

Description

The ICON-60M10RCG solar panel from the ICON R-Series combines cutting-edge technology with unmatched performance, delivering up to 500W of power output.

Engineered with high-efficiency cells and advanced materials, the ICON-60M10RCG maximizes energy production even in challenging environments. Its robust design ensures long-term reliability and durability.

This panel meets the latest international certifications, including IEC 61215 and IEC 61730, providing a reliable solution for sustainable energy projects.

FEATURES

Excellent Resistance to Mechanical Loads
2400 Pa wind load, 5400 Pa snow load

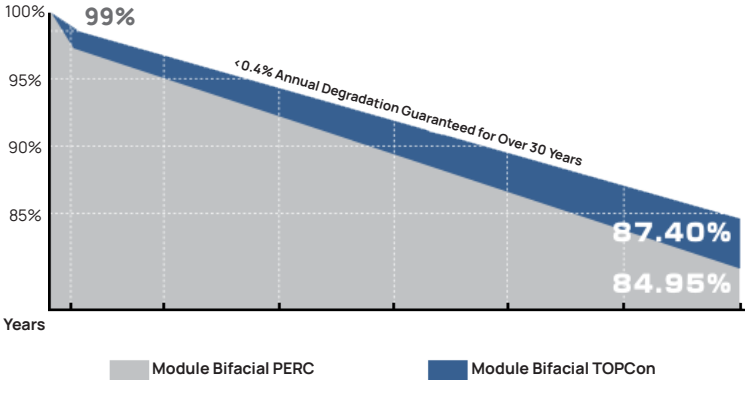
Compliance:
IEC 61215-1: 2021, IEC 61215-1-1: 2021, IEC 61215-2: 2021, IEC 61730-1: 2023, IEC 61730-2: 2023

30 years Product Warranty

30 years Linear Power Warranty

CE

TÜV SÜD



Copyright © 2025 Solenso electronic materials Co., Ltd

www.solenso-power.com
contact@solenso.pro

TOPCon (TYPE N) 490-500 Watt

ELECTRICAL SPECIFICATIONS

Model Type	ICON-60M10RCG-490		ICON-60M10RCG-495		ICON-60M10RCG-500	
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*
Maximum Power (Pmax)	490	371	495	375	500	379
Maximum Power Voltage (Vmp)	36,68	33,75	36,85	33,90	37,02	34,06
Maximum Power Current (Imp)	13,36	11,00	13,43	11,06	13,51	11,13
Open Circuit Voltage (Voc)	43,35	39,45	43,52	39,60	43,78	39,84
Short Circuit Current (Isc)	14,35	11,58	14,43	11,64	14,48	11,68
Module Efficiency STC	22,14		22,36		22,59	
Operating Temperature	-40°C ~ 85°C					
Maximum System Voltage	DC1500V (IEC)					
Maximum Series Fuse Rating	30A					
Power Tolerance	0~+5Watt					
Temperature Coefficients of Pmax	-0,29%/°C					
Temperature Coefficients of Voc	-0,25%/°C					
Temperature Coefficients of Isc	0,046%/°C					
NOCT*	43±2°C					

*STC: Cell Temperature: 25°C, Irradiance: 1000 W/m², Air Mass: 1.5G

*NOCT: Air Temperature: 20°C, Irradiance: 800 W/m², Air Mass: 1.5G, Wind Speed: 1 m/s

SPECIFICATION

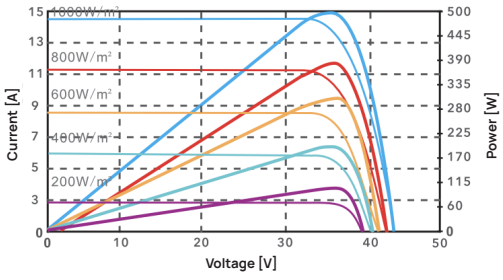
Cell Type	Monocristallin Type N
Number of Cells	120 (6×10×2)
Dimension	1952*1134*30mm
Weight	26,5kg
Glass	2.0mm+2.0mm, Anti-reflective treatment, High transmission, Low iron content, Tempered glass
Junction Box	IP68, 3 diodes
Connector	Compatible with MC4
Cable Length (including connector)	4mm2 1400mm
Packaging Configuration	Two Cartons = One Pallet 36pcs/Carton, 72pcs/Pallet, 864pcs/40HQ Container

Electrical Characteristics with Different Rear-Side Power Gains (reference to 500 W front-side power)

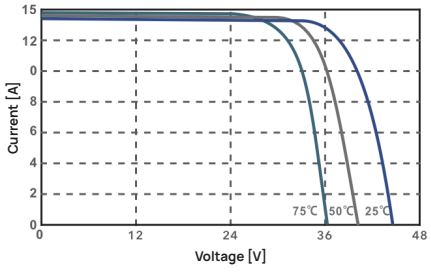
Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Gain Pmax
500	43,78	14,48	37,02	13,51	0%
525	43,78	15,20	37,02	14,18	5%
550	43,78	15,93	37,02	14,86	10%
575	43,78	16,65	37,02	15,53	15%
600	43,78	17,38	37,02	16,21	20%
625	43,78	18,10	37,02	16,88	25%
650	43,78	18,82	37,02	17,56	30%

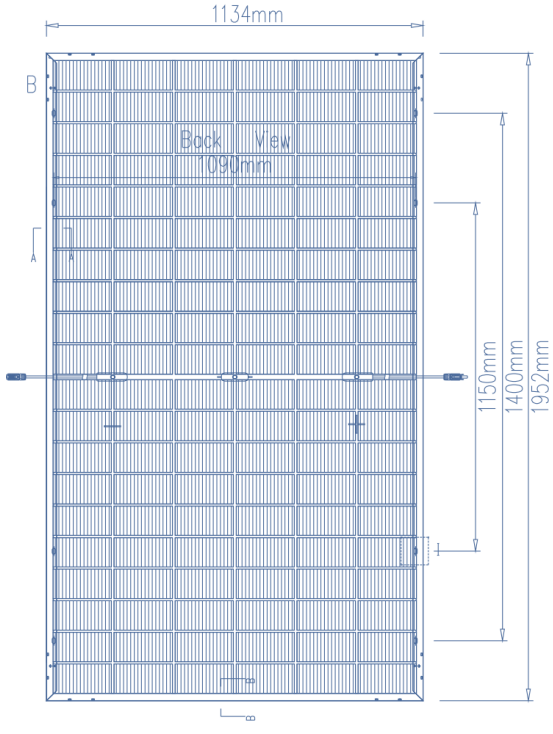
I-V CURVE [500W]

I-V Characteristics at Various Irradiance

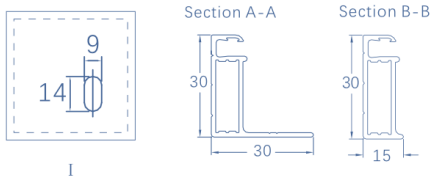


I-V Characteristics at Various Temperatures









Length: ± 2mm
Width: ± 2mm
Height: ± 1mm
Row Pitch: ± 2mm

Copyright © 2025 Solenso electronic materials Co., Ltd
www.solenso-power.com
contact@solenso.pro