



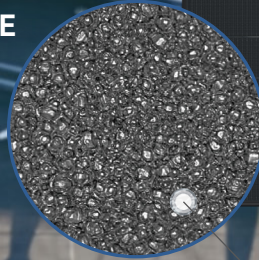
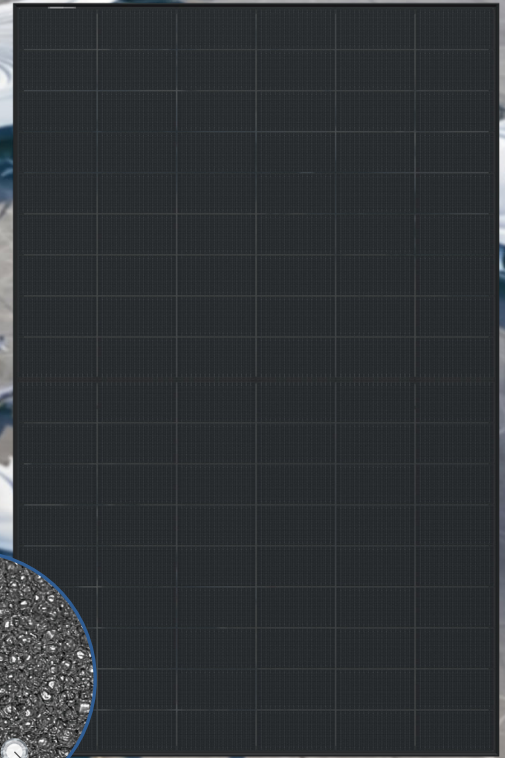
Selenso

ICON R-Series AG

ICON-54M10RC3G

AG ANTI-GLARE GLASS BIFACIAL N-TYPE MODULE

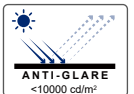
490~505 W



Unique glass pattern made and design (ANTI-GLARE<10000 cd/m²)



BRDF-0° (nit/lx)	BRDF-10° (nit/lx)	BRDF-20° (nit/lx)	BRDF-30° (nit/lx)	BRDF-40° (nit/lx)	BRDF-50° (nit/lx)
4000	4000	4000	5000	6000	9000



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



Anti-PID(potential induced degradation)

Passed anti-PID test under 85°C damp heat 85% relative humidity for 192 hours



Great Durability against extreme conditions

Passed salt mist corrosion test.ammonia corrosion test dust & sand test.fire test.all certified by TUV



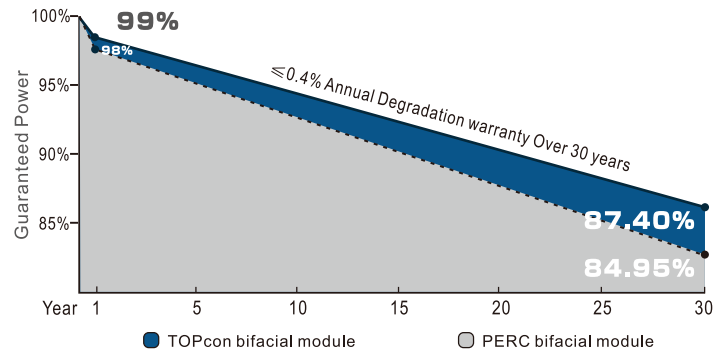
Lower LCOE

Lower shading and resistive loss
Lower temperature coefficient



Outstanding mechanical load resistance

2400 Pa wind load, 5400 Pa snow load



Certification

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

ELECTRICAL SPECIFICATIONS

Module Type	ICON-54M10RC3G-490		ICON-54M10RC3G-495		ICON-54M10RC3G-500		ICON-54M10RC3G-505	
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*
Maximum Power (Pmax)	W 490	371	495	375	500	379	505	383
Maximum Power Voltage (Vmp)	V 32.87	30.24	33.02	30.38	33.17	30.52	33.32	30.65
Maximum Power Current (Imp)	A 14.91	12.28	14.99	12.35	15.08	12.42	15.16	12.48
Open-circuit Voltage (Voc)	V 39.50	35.95	39.67	36.10	39.83	36.25	39.99	36.39
Short-circuit Current (Isc)	A 15.84	12.78	15.90	12.83	15.96	12.87	16.02	12.92
Module Efficiency STC	% 22.03		22.26		22.48		22.71	
Operating Temperature	-40°C~85°C							
Maximum system voltage	DC1500V(IEC)							
Maximum series fuse rating	30A							
Power tolerance	0~+5 Watt							
Temperature coefficients of Pmax	-0.29%/°C							
Temperature coefficients of Voc	-0.25%/°C							
Temperature coefficients of Isc	0.046%/°C							
Nominal operating cell temperature (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

SPECIFICATIONS

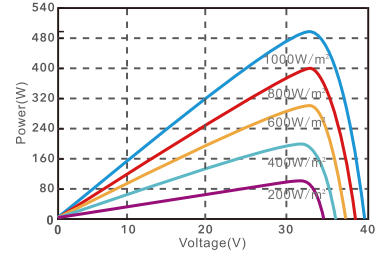
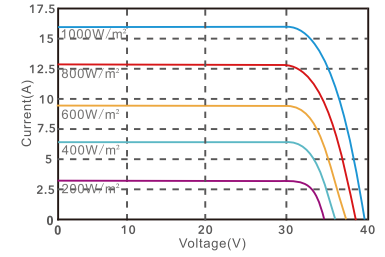
Cell Type	N type Mono-crystalline
No. of cells	108(6×9×2)
Dimensions	1961*1134*30mm
Weight	26.6kg
Glass	2.0mm+2.0mm, Front AG Anti-Glare Glass, Back Black Mesh Glass
Junction Box	IP68,3diodes
Connector	MC4 Compatible
Cable Length (Including Connector)	4mm ² Landscape:(+)1200mm/(-)1200mm or Customized Length
Packaging Configuration	Two Box=One Pallet 36pcs/Box,72pcs/Pallet,864pcs/40HQ Container

Electrical characteristics with different rear side power gain(reference to 500 W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
500	39.83	15.96	33.17	15.08	0%
525	39.83	16.76	33.17	15.83	5%
550	39.83	17.56	33.17	16.59	10%
575	39.83	18.35	33.17	17.34	15%
600	39.83	19.15	33.17	18.10	20%
625	39.83	19.95	33.17	18.85	25%
650	39.83	20.75	33.17	19.60	30%

I-V CURVE

I-V characteristics at different irradiances (reference to 500 W)



I-V characteristics at different temperature

