

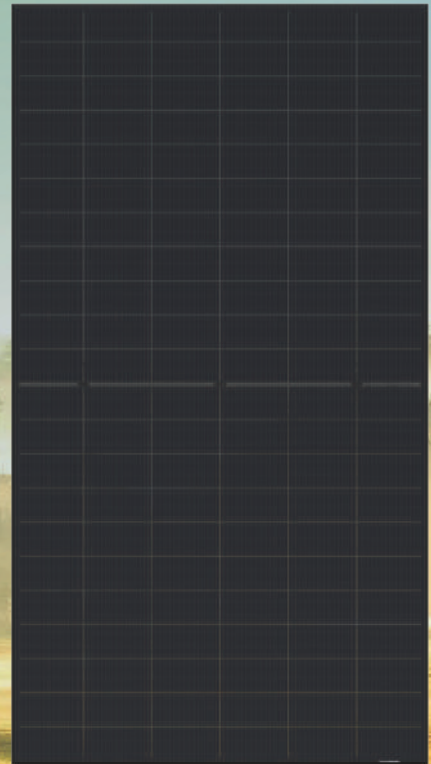


# ICON R-Series

## ICON-66M10RC3G

DOUBLE-GLASS BIFACIAL N-TYPE MODULE

600~615 W



**Cutting Free Technology**  
Minimized micro-crack



**Dual-Sided Power Generation**  
Dual-sided power generation gain increases with backside exposure to light significantly reducing LCOE.



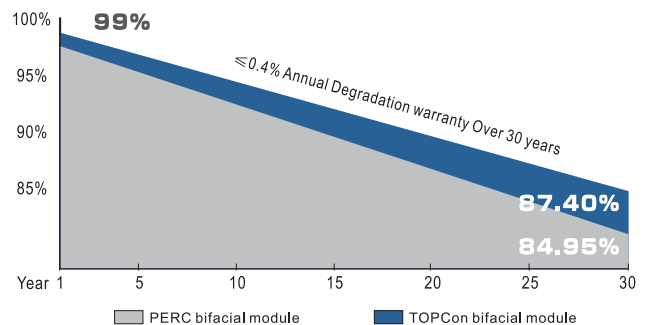
**Anti-PID (potential induced degradation)**  
Passed anti-PID test under 85% damp heat 85% relative humidity for 192 hours



**Higher Power Output**  
Lower shading and resistive loss



**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

# TOPCon(N TYPE)600~615Watt



## ELECTRICAL SPECIFICATIONS

Module Type	ICON-66M10RC3G-600		ICON-66M10RC3G-605		ICON-66M10RC3G-610		ICON-66M10RC3G-615	
	STC* NOCT*	STC* NOCT*	STC* NOCT*	STC* NOCT*	STC* NOCT*	STC* NOCT*	STC* NOCT*	STC* NOCT*
Maximum Power(Pmax) W	600	455	605	458	610	462	615	466
Maximum Power Voltage (Vmp) V	40.17	36.95	40.35	37.12	40.54	37.29	40.72	37.46
Maximum Power Current(Imp) A	14.94	12.3	14.99	12.35	15.05	12.40	15.10	12.44
Open-circuit Voltage(Voc) V	48.28	43.93	48.48	44.12	48.68	44.30	48.88	44.48
Short-circuit Current(Isc) A	15.84	12.78	15.90	12.83	15.96	12.87	16.02	12.92
Module Efficiency STC %	22.21		22.40		22.58		22.77	
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							
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

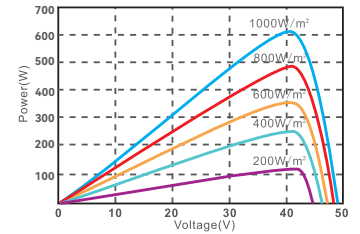
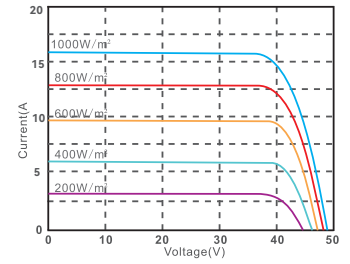
Cell Type	N type Mono-crystalline	
No. of cells	132(6×11×2)	
Dimensions	2382*1134*30mm	
Weight	32.0kg	
Glass	2.0mm+2.0mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Junction Box	IP68, 3diodes	
Connector	MC4 Compatible	
Cable Length (including Connector)	4mm² Landscape:(+)1400/(-)1400mm or Customized Length	
Packaging Configuration	Two Box=One Pallet 36pcs/Box, 72pcs/Pallet, 720pcs/40HQ Container	

## Electrical characteristics with different rear side power gain(reference to 600W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
600	48.28	15.84	40.17	14.94	0%
630	48.28	16.63	40.17	15.68	5%
660	48.28	17.42	40.17	16.43	10%
690	48.28	18.22	40.17	17.18	15%
720	48.28	19.01	40.17	17.92	20%
750	48.28	19.80	40.17	18.67	25%
780	48.28	20.59	40.17	19.42	30%

## I-V CURVE

I-V characteristics at different irradiances (reference to 610 W)



I-V characteristics at different temperature

