

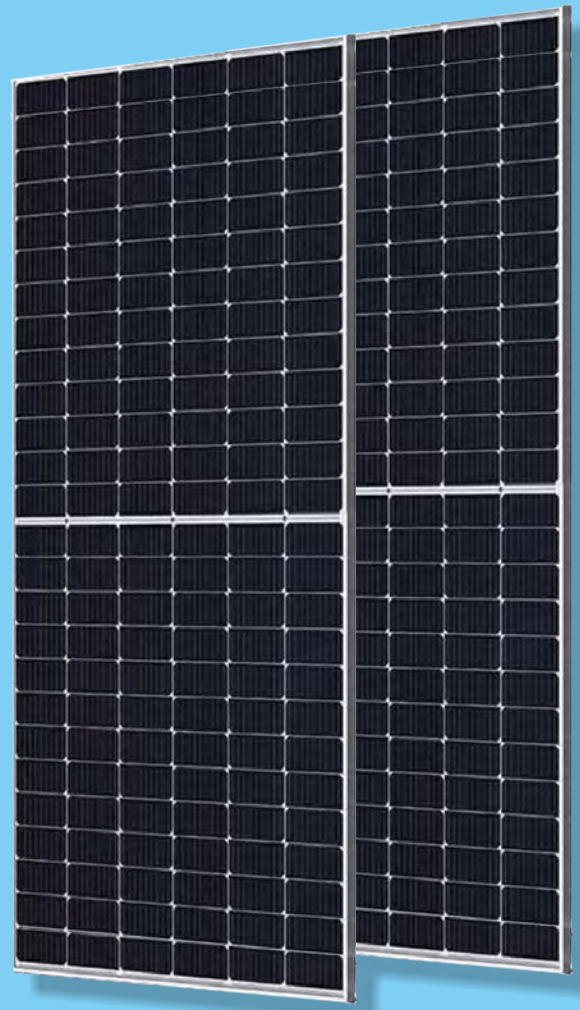
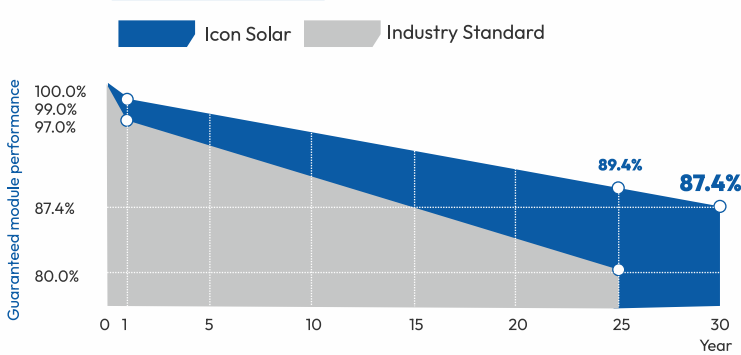
# TOP MAXIMUS

**156 Cells**  
**600-620WP**

## PRODUCT | KEY FEATURES

-  Excellent Module Efficiency with Bifacial Power Gain
-  Positive Power Tolerance with Current Binning to Prevent Mismatch Losses
-  Pre and Post EL Checking With High Resolution Camera
-  IP68 Junction Box for Long Term Endurance
-  100% Hi-Pot Testing to Ensure Safety
-  MBB Half-Cell Technology provides Better Performance under Partial Shading

**-1.00%** 1st year Degradation  
**-0.40%** Annual Degradation



## LINEAR PERFORMANCE WARRANTY

**12 YEARS**  
MANUFACTURING WARRANTY

**30 YEARS**  
PERFORMANCE WARRANTY

## PRODUCT CERTIFICATION



## TECHNICAL DATASHEET

### ELECTRICAL CHARACTERISTICS

MODEL NAME		ISEN600N-TOP	ISEN605N-TOP	ISEN610N-TOP	ISEN615N-TOP	ISEN620N-TOP
Electrical Characteristics	Unit					
Power (Pmax)	Wp	600	605	610	615	620
Optimum Operating Voltage (Vmp)	V	45.66	45.92	46.2	46.48	46.75
Optimum operating Current (Imp)	A	13.15	13.18	13.21	13.24	13.27
Open Circuit Voltage (Voc)	V	55.01	55.22	55.35	55.5	55.65
Short Circuit Current (Isc)	A	13.91	13.95	13.99	14.02	14.06
Module Efficiency (η)%	%	21.5%	21.6%	21.8%	22.0%	22.2%
Module Fill Factor FF (%)	%	78.41%	78.53%	78.77%	79.03%	79.24%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5. NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

	Maximum Rating	Temperature Rating	
Fuse Rating	30 Amps	Temperature Co-efficient for Isc %/°C (α)	0.048
System Voltage	1500 VDC	Temperature Co-efficient for Voc %/°C (β)	-0.26
Operating Conditions	- 40°C to + 85°C & 85% RH	Temperature Co-efficient for power %/°C (γ)	-0.30
NOCT	45°C ± 2°C		

### MECHANICAL CHARACTERISTICS

Weight (kg)	30.7 kg	Back cover	Composite film
Module Dimension (L) x (W) x (H)	2464 x 1134 x 35 mm	Junction Box rating	Ip68
Mounting Hole (Oblong) (I x J)	9 x 14 mm & 7 x 10 mm	Cable cross section & length	4mm <sup>2</sup> & 300 mm
Mounting Hole CTC distance - vertical (Y)	(A) 1400 mm, (B) 1000 mm & (C) 400mm	Fire safety Class	Bypass Diode 3 Nos.
Mounting Hole CTC distance - horizontal (X)	1091 mm	Fire safety Class	Class C
No. of Cell	156 Half Cells	Application Class	Class A
System Voltage	1500 V	Safety Class	Class B

