

TOP SUPREMO

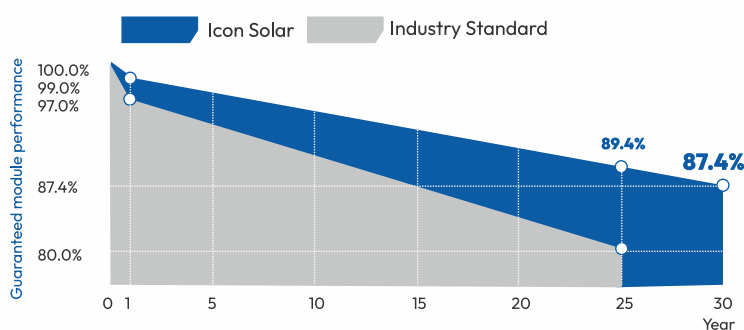
144 Cells
560-590WP

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								
Electrical Characteristics	Unit	ISEN560N-TOP	ISEN565N-TOP	ISEN570N-TOP	ISEN575N-TOP	ISEN580N-TOP	ISEN585N-TOP	ISEN590N-TOP
Power (Pmax)	Wp	560	565	570	575	580	585	590
Optimum Operating Voltage (Vmp)	V	42.6	42.82	43.07	43.3	43.56	43.8	44.05
Optimum operating Current (Imp)	A	13.15	13.21	13.25	13.29	13.33	13.37	13.4
Open Circuit Voltage (Voc)	V	51.04	51.19	51.32	51.46	51.6	51.74	51.88
Short Circuit Current (Isc)	A	13.95	13.99	14.02	14.06	14.1	14.14	14.18
Module Efficiency (η)%	%	21.7%	21.9%	22.1%	22.3%	22.5%	22.6%	22.8%
Module Fill Factor FF (%)	%	78.00%	78.00%	78.00%	79.00%	79.00%	79.00%	79.00%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. NOCT: Irradiance 800W/m², 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)	28 kg	Back cover	Composite film
Module Dimension (L) x (W) x (H)	2278 x 1134 x 35mm	Junction Box rating	Ip68
Mounting Hole (Oblong) (I x J)	9 x 14 mm & 7 x 10 mm	Cable cross section & length	4mm ² & 300 mm
Mounting Hole CTC distance - vertical (Y)	(A) 1400 mm, (B) 1000 mm & © 400mm	Bypass Diode	3 Nos.
Mounting Hole CTC distance - horizontal (X)	1091 mm	Fire safety Class	Class C
No. of Cell	144 Half Cells	Application Class	Class A
System Voltage	1500 V	Safety Class	Class Ⓜ
System Voltage	1500 V	Safety Class	Class Ⓜ

