









# SIV N-TOPCON SERIES

N for Now, Fit for Future

## 425-440W



### • N-TOPCON MODULE ADVANTAGE

-  Multi-main gate technology
-  Superior load capacity
-  High module conversion efficiency
-  Excellent low-light performance
-  Low attenuation long warranty
-  Low BOS and KWH cost
-  Reduce heat spot effect
-  Higher bifacially

### • QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

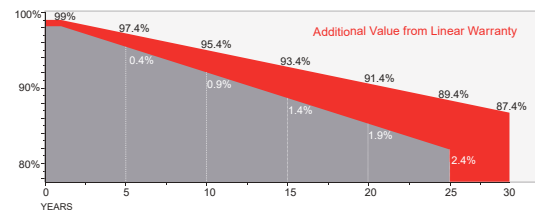
### • PRODUCT CERTIFICATION



### • INSURANCE

**PICC**

### • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

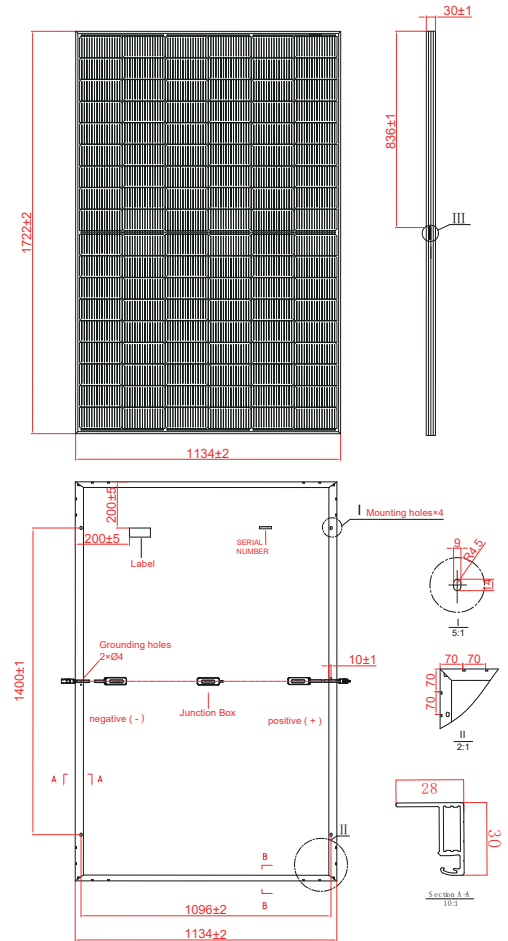
\*Subject to the terms and conditions contained in the applicable Seraphim Solar System Co., Ltd. Warranty Statement. This 30-year product warranty is only applicable for products installed and operating on residential rooftops in certain regions.



### Electrical Characteristics

Module Type	SRP-425-BTD-HV		SRP-430-BTD-HV		SRP-435-BTD-HV		SRP-440-BTD-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	425	320	430	324	435	328	440	332
Open Circuit Voltage (Voc)	38.70	36.77	38.90	36.96	39.10	37.15	39.30	37.34
Short Circuit Current (Isc)	13.91	11.13	13.99	11.19	14.07	11.26	14.15	11.32
Maximum Power Voltage (Vmp)	32.10	30.21	32.30	30.41	32.50	30.62	32.70	30.82
Maximum Power Current (Imp)	13.24	10.59	13.32	10.66	13.39	10.71	13.47	10.77
Module Efficiency at STC(%)	21.76		22.02		22.28		22.53	
Power Tolerance(W)	±3%							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	25 A							

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5  
Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-2%; Current measurement tolerance: +/-4%



### Temperature Characteristics

Pmax Temperature Coefficient	-0.30 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

### Mechanical Specifications

External Dimensions	1722 x 1134 x 30 mm
Weight	21.5 kg
Solar Cells	N-TOPCon 182 x 91mm (108 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa
Connector	Staubli MC4 EVO2/ Chuangda TT02 /QC Solar QC4.10-cd
Fire Safety Class	Class C

### Packing Configuration

	1722 x 1134 x 30 mm	
Container	20'GP	40'HQ
Pieces per Pallet	40	36
Pallets per Container	6	26
Pieces per Container	240	936

### I-V Curve

