







SIV N-TOPCON SERIES

Small Changes, Big Accomplishments

540-555W



• 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

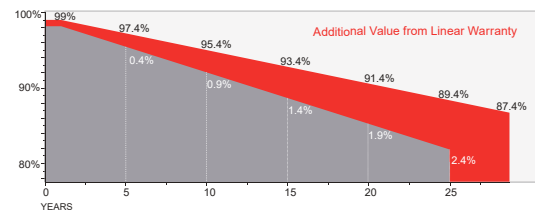
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product material and workmanship



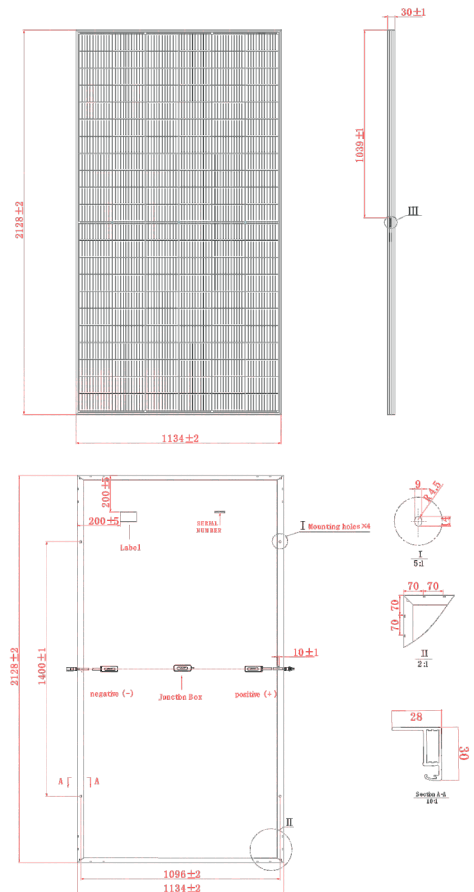
Linear power output warranty



Electrical Characteristics

Module Type	SRP-540-BTC-HV		SRP-545-BTC-HV		SRP-550-BTC-HV		SRP-555-BTC-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	540	405	545	409	550	413	555	416
Open Circuit Voltage (Voc)	47.12	44.76	47.32	44.95	47.52	45.14	47.72	45.33
Short Circuit Current (Isc)	13.89	11.11	13.92	11.14	13.95	11.16	13.98	11.18
Maximum Power Voltage (Vmp)	41.38	38.79	41.58	38.98	41.78	39.17	41.98	39.36
Maximum Power Current (Imp)	13.05	10.44	13.11	10.49	13.16	10.53	13.22	10.58
Module Efficiency at STC(ηm)	22.38		22.58		22.79		23.00	
Power Tolerance(W)	(0, +4.99)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	25 A							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%



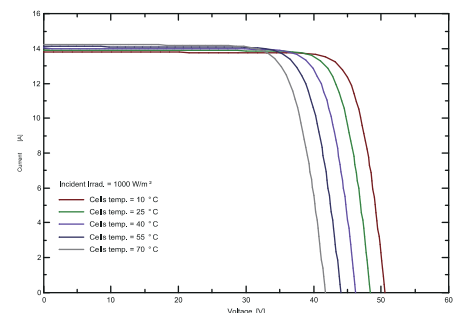
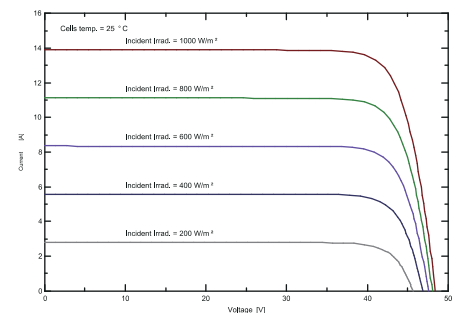
Temperature Characteristics

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

Mechanical Specifications

External Dimensions	2128 x 1134 x 30 mm
Weight	24.5 kg
Solar Cells	N-TOPCon 182 x 92.65(132 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

I-V Curve



Packing Configuration

	2128 x 1134 x 30 mm	
Container	20'GP	40'HQ
Pieces per Pallet	36+20*	36
Pallets per Container	5	22
Pieces per Container	280	792

* 36+4 pieces per pallet is the special package which only suits for container transport.
For details, please consult SERAPHIM.

