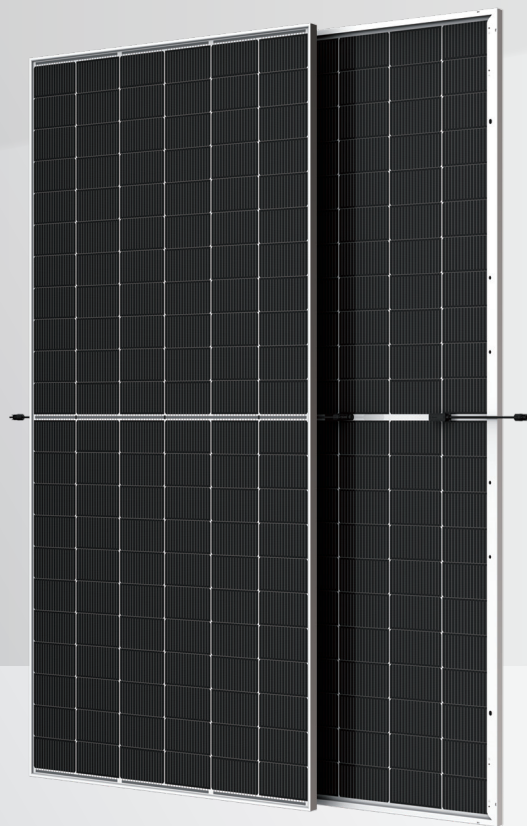










# VI SERIES 182R

SOLAR WAY ,SHINING LIFE !

**590-605W**



## 182R 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

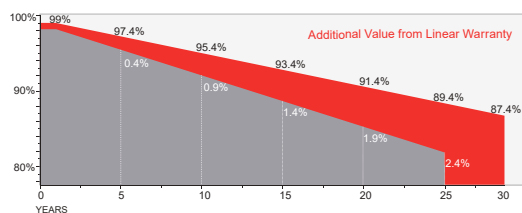
## PRODUCT CERTIFICATION



## INSURANCE



## WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



## Electrical Characteristics

Module Type	NB-590-BMC-HV		NB-595-BMC-HV		NB-600-BMC-HV		NB-605-BMC-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	590	442	595	446	600	450	605	454
Open Circuit Voltage (Voc)	47.80	45.40	48.10	45.69	48.4	45.90	48.7	46.2
Short Circuit Current (Isc)	15.72	14.81	15.76	12.60	15.80	12.64	15.83	12.66
Maximum Power Voltage (Vmp)	39.70	37.32	40.0	37.6	40.30	37.88	40.50	38.1
Maximum Power Current (Imp)	14.86	11.88	14.89	11.91	14.91	11.92	14.94	11.95
Module Efficiency at STC(%)	21.80		22.0		22.2		22.4	
Power Tolerance	(0, +4.99W)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	30 A							

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

## Temperature Characteristics

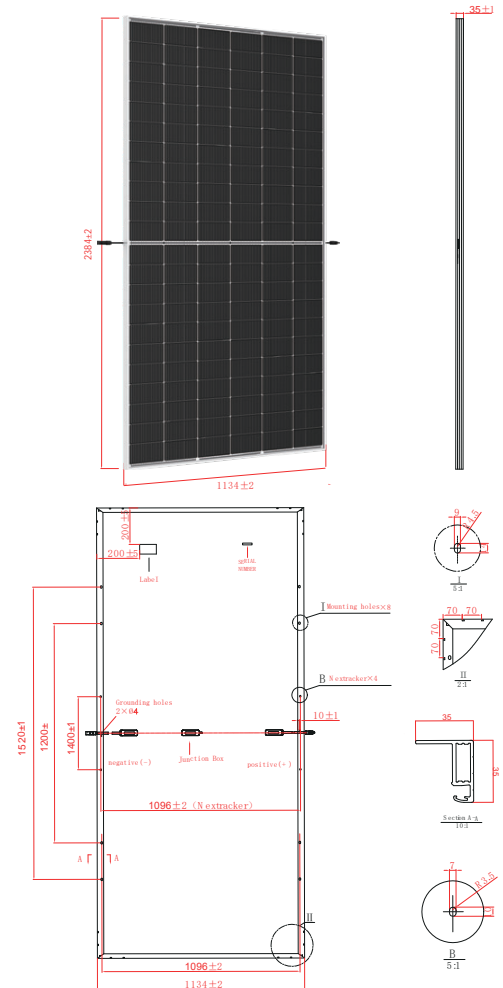
Pmax Temperature Coefficient	-0.30 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

## Mechanical Specifications

External Dimensions	2384 x 1134 x 35 mm
Weight	29.3 kg
Solar Cells	N-TOPCon 182 x 105mm (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 <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

## Packing Configuration

	2384 x 1134 x 35 mm	
Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	4	20
Pieces per Container	124	620



## I-V Curve

