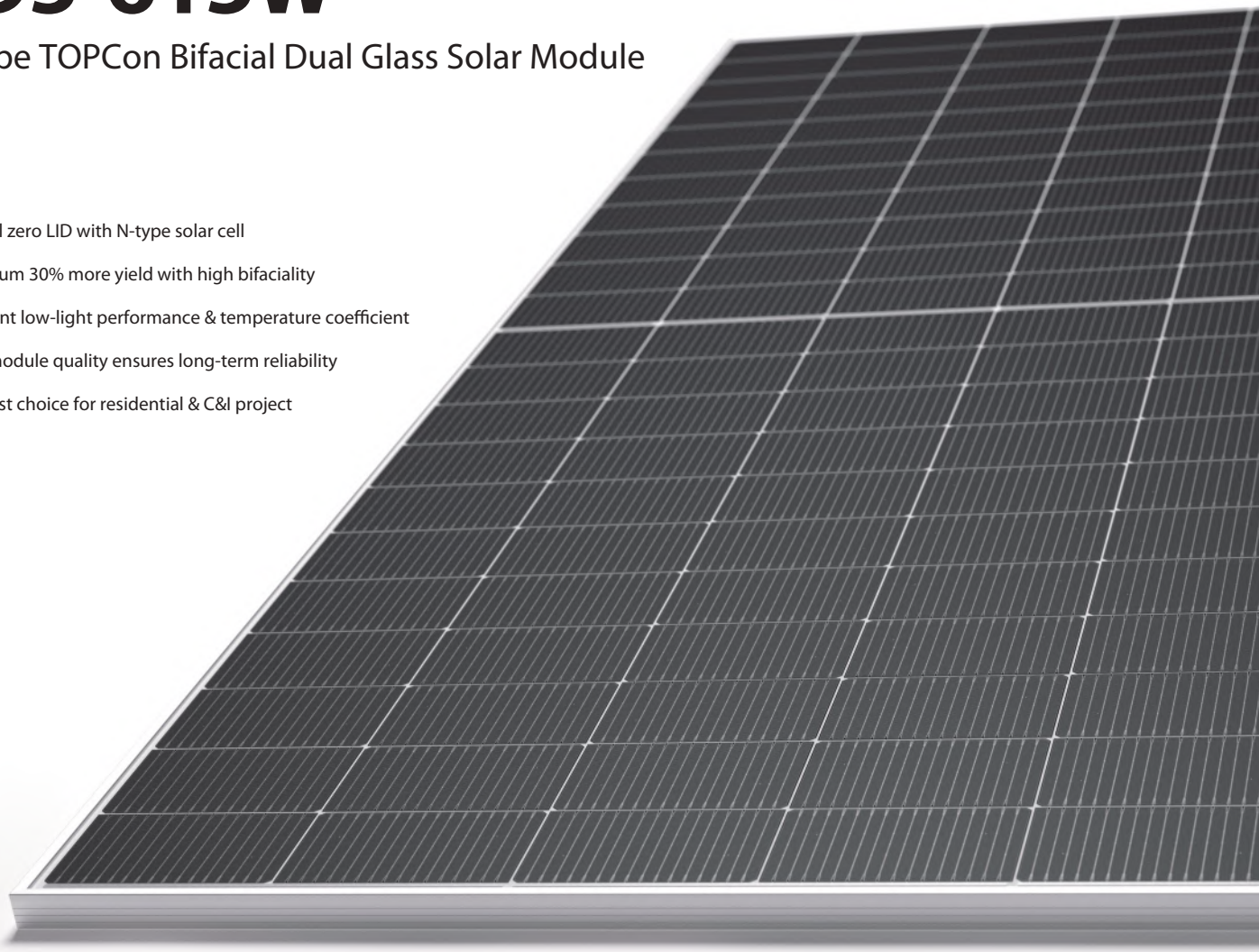
N POWER PRO

TSBHNM-132HTG

595-615W

N-type TOPCon Bifacial Dual Glass Solar Module



- Natural zero LID with N-type solar cell
- Maximum 30% more yield with high bifaciality
- Excellent low-light performance & temperature coefficient
- High module quality ensures long-term reliability
- The best choice for residential & C&I project

System & Product Certifications

IEC 61215 / IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environment Management System

ISO 45001: Occupational Health and Safety

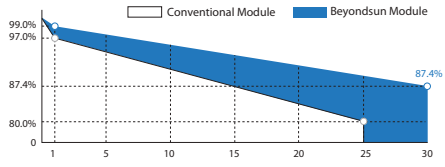
amfori BSCI Corporate Social Responsibility

Product Warranty & Insurance

12-year Warranty for Material & Workmanship

30-year Warranty for Linear Power Output

Product & Performance Insured by LLOYD'S & PingAn



The Ideal Solution for

Commercial / industrial rooftop projects

Ground-mounted projects

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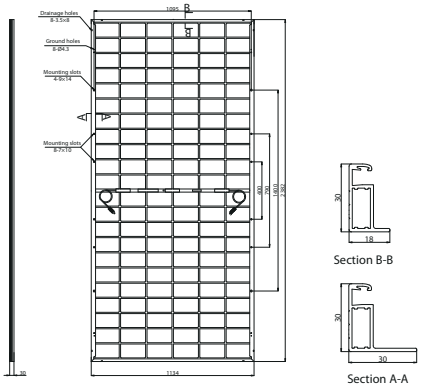
N POWER PRO TSBHNM-132HTG **595-615W**

Mechanical Parameters

Cell Type	N Type Mono
Cell Arrangement	132 pcs, 2×(6×11)
Dimension (L×W×H)	2382×1134×30mm
Weight	33.5kg
Front Cover	2.0mm coated tempered glass
Back Cover	2.0mm Heat Strengthened Glass with White Grid
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm², +400mm, -300mm, or customizable
Connector	PV Connector

Technical Drawings (mm)



Electrical Parameters

STC: 1000W/m² , 25 °C , AM 1.5 NMOT: 800W/m² , AM 1.5 , 20°C , 1m/s Pmax tolerance 0~+3%

Module Type	TSBHNM595-132HTG		TSBHNM600-132HTG		TSBHNM605-132HTG		TSBHNM610-132HTG		TSBHNM615-132HTG	
Test Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Max. Power Output Pmax (W)	595	447.4	600	451.2	605	455.0	610	458.7	615	462.5
Max. Power Voltage Vmp (V)	40.02	37.26	40.27	37.51	40.53	37.76	40.78	37.98	41.03	38.23
Max. Power Current Imp (A)	14.87	12.01	14.90	12.03	14.93	12.05	14.96	12.08	14.99	12.10
Open Circuit Voltage Voc (V)	48.15	45.74	48.44	46.02	48.73	46.29	49.02	46.57	49.31	46.84
Short Circuit Current Isc (A)	15.75	12.72	15.78	12.74	15.81	12.76	15.84	12.79	15.87	12.81
Module Efficiency (%)	22.03%		22.21%		22.40%		22.58%		22.77%	

Rear Side Power Gain

Refer. Bifaciality Factor: 80±10%

5%	Maximuml Power (Pmax)	625	630	635	641	646
	Module Efficiency STC (%)	23.13%	23.32%	23.52%	23.71%	23.91%
15%	Maximuml Power (Pmax)	684	690	696	702	707
	Module Efficiency STC (%)	25.33%	25.54%	25.76%	25.97%	26.18%
25%	Maximuml Power (Pmax)	744	750	756	763	769
	Module Efficiency STC (%)	27.53%	27.77%	28.00%	28.23%	28.46%

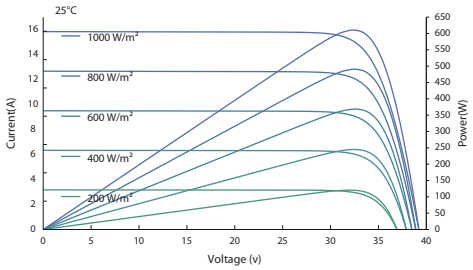
Operating Parameters

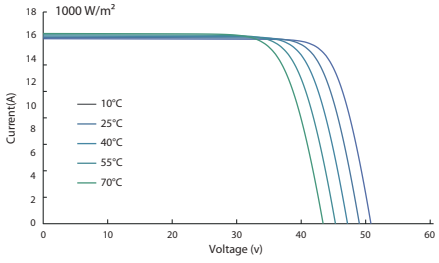
Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40°C ~ +85°C
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	35

Temperature Coefficients

Temperature Coefficients of Pmp	-0.30%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	+0.046%/°C
NMOT	45°C±2°C

I-V Curves





Package Information

Quantity / Pallet	36 pcs
Container 40'HQ	20 pallets, 720 pcs

Patner's Notes

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