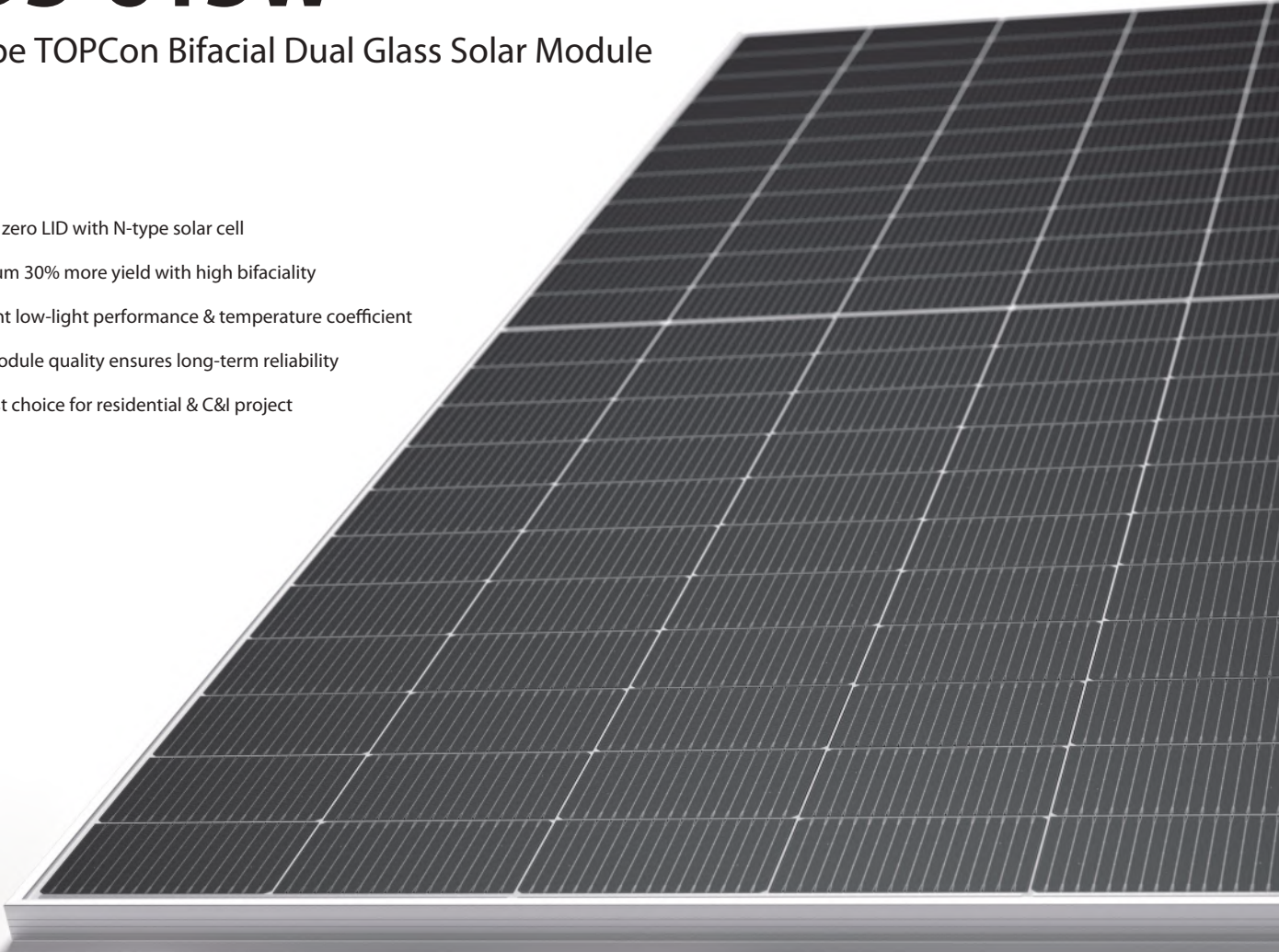


TSBHNM-132HTG

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



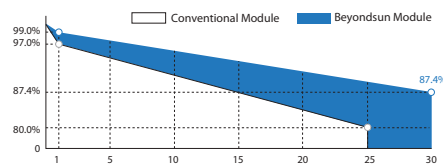
12-year Warranty for Material & Workmanship





30-year Warranty for Linear Power Output



Product & Performance Insured by LLOYDS & PingAn



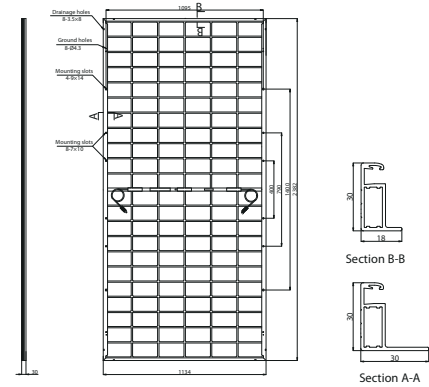
The Ideal Solution for

-  Commercial / industrial rooftop projects
-  Ground-mounted projects

Mechanical Parameters

Cell Type	N Type Mono
Cell Arrangement	132 pcs, 2x(6x11)
Dimension (LxWxH)	2382x1134x30mm
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	4mm ² , +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	
	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%

Gain	Parameter	TSBHNM595-132HTG		TSBHNM600-132HTG		TSBHNM605-132HTG		TSBHNM610-132HTG		TSBHNM615-132HTG	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum Power (Pmax)	625		630		635		641		646	
	Module Efficiency STC (%)	23.13%		23.32%		23.52%		23.71%		23.91%	
15%	Maximum Power (Pmax)	684		690		696		702		707	
	Module Efficiency STC (%)	25.33%		25.54%		25.76%		25.97%		26.18%	
25%	Maximum Power (Pmax)	744		750		756		763		769	
	Module Efficiency STC (%)	27.53%		27.77%		28.00%		28.23%		28.46%	

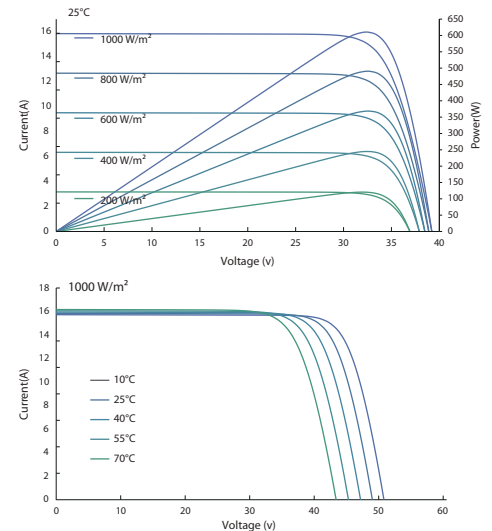
Operating Parameters

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

Partner's Notes