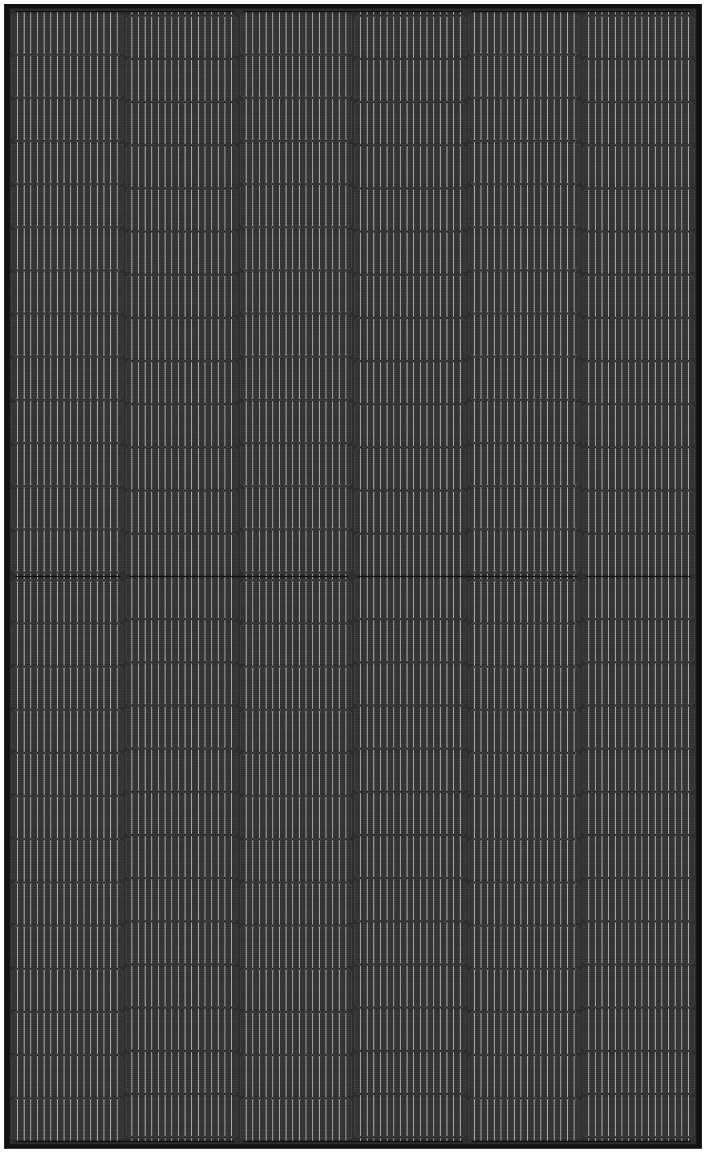
M/ET-PD-EN2024V2
info@elite-solar.com



ET-N778TBHGB
605W-625W

N-Type BIFACIAL MODULE

Modern Appearance
Sleek black design crafted for enhanced aesthetics and seamless integration into buildings.

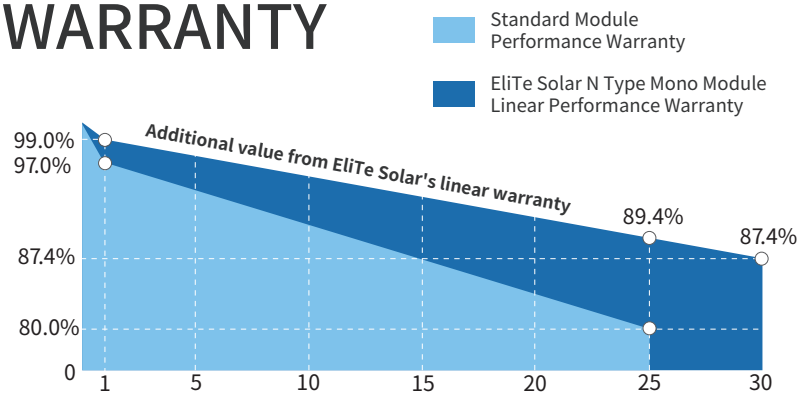
Increased module conversion efficiency
Module efficiency up to 22.4% achieved through advanced cell technology and manufacturing processes.

Zero LID (Light Induced Degradation)
N-type solar cells inherently lack Light Induced Degradation (LID), thereby enhancing power output.

Enhanced Low-Light Performance Response
Enhanced performance in low-light conditions, ensuring superior power output even amidst cloudy or foggy weather.

Better Temperature Coefficient
Higher power generation under working conditions, thanks to passivating contact cell technology.

WARRANTY



1st year ⩽ 1%, 2nd~30th years ⩽ 0.40% / year

12 YEARS — Guarantee on product material and workmanship

30 YEARS — Linear power output warranty

IEC61215
IEC61730
UL61215
UL61730

Intertek

TOP PERFORMER 2024 kiwa PVEL PV MODULE RELIABILITY SCORECARD

ELECTRICAL SPECIFICATIONS

Module Type	ET-N778TBH605GB		ET-N778TBH610GB		ET-N778TBH615GB		ET-N778TBH620GB		ET-N778TBH625GB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P_{mp} (W)	605	455	610	459	615	462	620	466	625	470
Open Circuit Voltage -V_{oc} (V)	55.49	52.72	55.69	52.91	55.89	53.10	56.09	53.29	56.29	53.48
Short Circuit Current -I_{sc} (A)	13.49	10.89	13.54	10.93	13.59	10.97	13.64	11.01	13.69	11.05
Maximum Power Voltage -V_{mp} (V)	47.6	44.79	47.77	44.96	47.94	45.12	48.12	45.29	48.27	45.42
Maximum Power Current -I_{mp} (A)	12.71	10.16	12.77	10.21	12.83	10.24	12.89	10.29	12.95	10.35
Module Efficiency STC-η_m (%)	21.6%		21.8%		22.0%		22.2%		22.4%	
Power Tolerance (W)	0-+3%									
Pmax Temperature Coefficient	-0.30%/°C									
Voc Temperature Coefficient	-0.22%/°C									
Isc Temperature Coefficient	+0.042%/°C									
Fire Performance	Type 29(UL)									

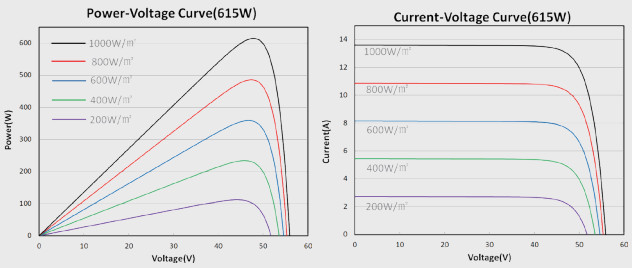
REAR SIDE POWER GAIN (ET-N778TBH615GB)

Power Gain	10%	15%	20%	25%
Maximum Power -P_{mp} (W)	677	707	738	769
Open Circuit Voltage -V_{oc} (V)	55.89	55.89	55.89	55.89
Short Circuit Current -I_{sc} (A)	14.79	15.45	16.12	16.8
Maximum Power Voltage -V_{mp} (V)	47.94	47.94	47.94	47.94
Maximum Power Current -I_{mp} (A)	14.13	14.75	15.4	16.05

MECHANICAL SPECIFICATIONS

External Dimension	2465 x 1134 x 30mm
Weight	35kg
Solar Cells	N Type 182 x 91 mm (156pcs)
Front Glass/Back Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm²(12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	80%±10%

CURVE



APPLICATION CONDITIONS

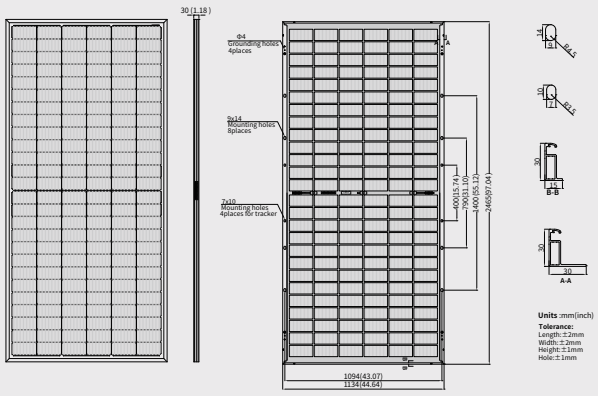
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

Container	40' HQ
Pieces per Pallet	36
Size of packing (mm)	2487*1130*1264
Weight of packing (kg)	1303
Pieces per Container	576/504(NA)

PHYSICAL CHARACTERISTICS

Unit:mm



* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact ET Solar.

Note: The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.
The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.
Please contact info@elite-solar.com for technical support. The actual transactions will be subject to the contracts. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.