

182N-Type

22.7%

Maximum Efficiency

540W

Maximum Power Output

ET-N766TBHXXXGB

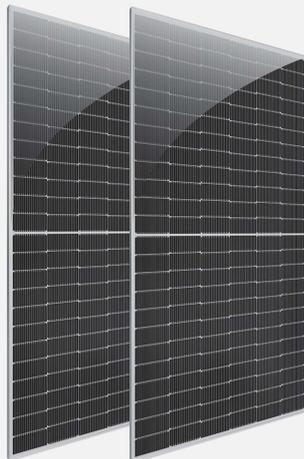
XXX:Power Output Range 520-540W

30 YEARS Linear power output warranty

12 YEARS Guarantee on product material and workmanship

The module picture is for reference only

Product Features



Modern Appearance

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



Increased module conversion efficiency

Module efficiency up to 23.0% 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.

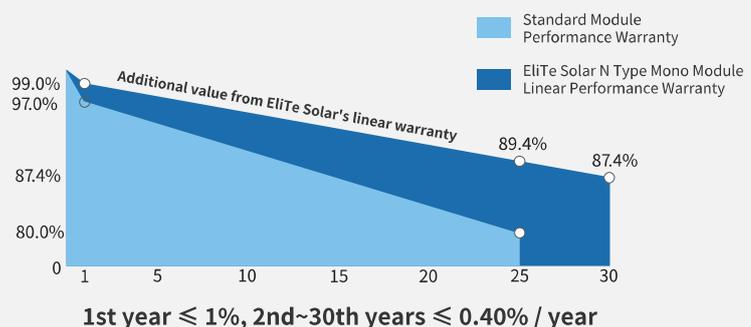


Enhanced Versatility

Smaller size optimized for irregular and complex terrain.



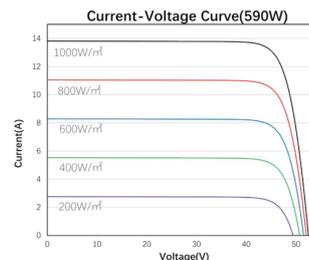
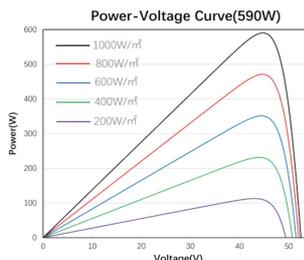
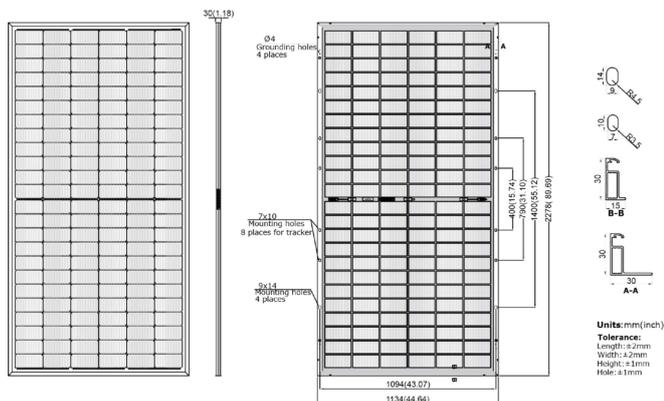
About warranty



PHYSICAL CHARACTERISTICS

Unit:mm/inch

CURVE



ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m² 25°C. NOCT : AM1.5 800W/m² 20°C 1m/s.

Module Type	ET-N766TBH520GB		ET-N766TBH525GB		ET-N766TBH530GB		ET-N766TBH535GB		ET-N766TBH540GB	
	STC	NOCT								
Maximum Power -P _{mp} (W)	520	391	525	395	530	399	535	402	540	406
Open Circuit Voltage -V _{oc} (V)	47.27	44.91	47.47	45.10	47.67	45.29	47.87	45.48	48.07	45.67
Short Circuit Current -I _{sc} (A)	13.59	10.97	13.64	11.01	13.70	11.06	13.75	11.10	13.80	11.14
Maximum Power Voltage -V _{mp} (V)	40.60	38.19	40.77	38.35	40.93	38.52	41.10	38.70	41.26	38.82
Maximum Power Current -I _{mp} (A)	12.81	10.24	12.88	10.30	12.95	10.36	13.02	10.39	13.09	10.46
Module Efficiency STC-η _m (%)	21.9%		22.1%		22.3%		22.5%		22.7%	
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-N766TBH530GB)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	583	610	636	663
Open Circuit Voltage -V _{oc} (V)	47.67	47.67	47.67	47.67
Short Circuit Current -I _{sc} (A)	14.94	15.65	16.31	16.99
Maximum Power Voltage -V _{mp} (V)	40.93	40.93	40.93	40.93
Maximum Power Current -I _{mp} (A)	14.25	14.91	15.54	16.20

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 30mm/82.44 x 44.65 x 1.18inch
Weight	29kg/63.93lbs
Solar Cells	N-Type Mono-crystalline(132pcs)
Front Glass/Black Glass	2.0mm/2.0mm(0.08inch)
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length	4.0 mm ² (12AWG), Portrait:200mm(+)/400mm(-); Or customized
Connector	MC4 Compatible
Power Bifaciality*	80%±10%

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/inch)	2130*1130*1264/83.86*44.49*49.76
Weight of packing (kg/lbs)	1085/2392.02
Pieces per Container (Normal/Weight-limited area)	792/612(NA)

Please contact info@elite-solar.com for technical support. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.