

182N-Type

**23.2%**

Maximum Efficiency

**550W**

Maximum Power Output

**ET-N766TBHXXXGL**

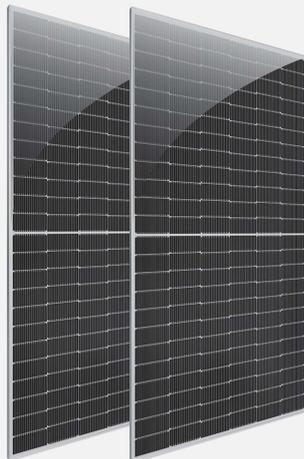
XXX:Power Output Range 530-550W

**30 YEARS** Linear power output warranty

**12 YEARS** Guarantee on product material and workmanship

The module picture is for reference only

## Product Features



**Advanced Technology**  
N-Type M10 wafer  
High density interconnect technology.

**Increased Performance**  
Well-suited for use in environments characterized by high reflectivity, elevated temperatures, scarce land availability, and substantial labor expenses.

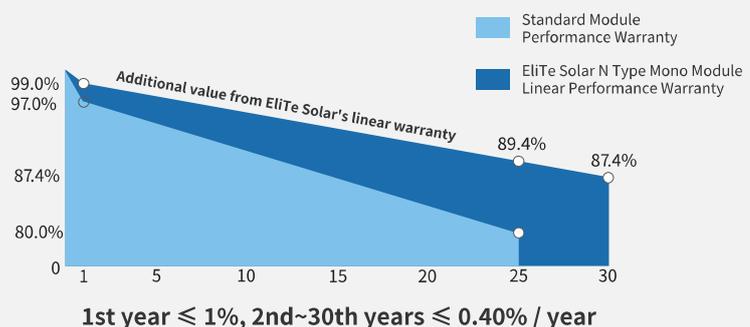
**Higher Power Generation**  
Lower degradation, higher bifaciality and lower temperature coefficient improve energy yield.

**Increased Value**  
Increased efficiency results in decreased LCOE and BOS costs

**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



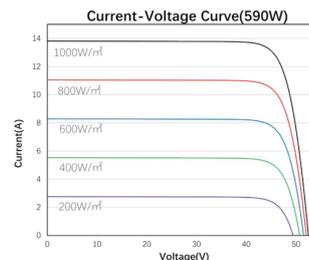
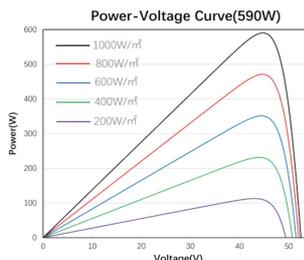
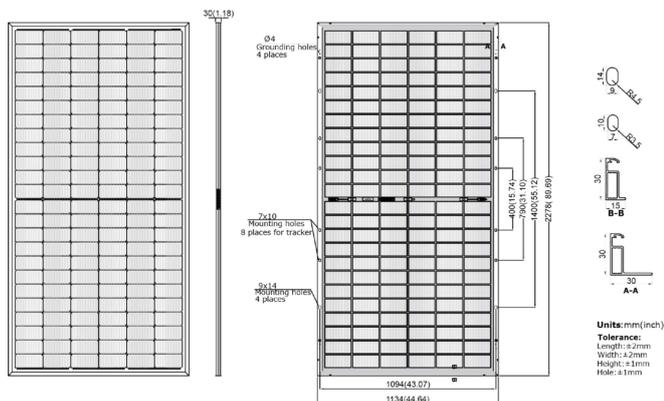
## About warranty



**PHYSICAL CHARACTERISTICS**

Unit:mm/inch

**CURVE**



**ELECTRICAL SPECIFICATIONS**

STC : AM1.5 1000W/m<sup>2</sup> 25°C. NOCT : AM1.5 800W/m<sup>2</sup> 20°C 1m/s.

Module Type	ET-N766TBH530GL		ET-N766TBH535GL		ET-N766TBH540GL		ET-N766TBH545GL		ET-N766TBH550GL	
	STC	NOCT								
Maximum Power -P <sub>mp</sub> (W)	530	399	535	402	540	406	545	410	550	414
Open Circuit Voltage -V <sub>oc</sub> (V)	47.67	45.29	47.87	45.48	48.07	45.67	48.27	45.86	48.47	46.05
Short Circuit Current -I <sub>sc</sub> (A)	13.70	11.06	13.75	11.10	13.80	11.14	13.86	11.19	13.91	11.23
Maximum Power Voltage -V <sub>mp</sub> (V)	40.93	38.52	41.10	38.70	41.26	38.82	41.42	38.98	41.58	39.14
Maximum Power Current -I <sub>mp</sub> (A)	12.95	10.36	13.02	10.39	13.09	10.46	13.16	10.52	13.23	10.58
Module Efficiency STC-η <sub>m</sub> (%)	22.3%		22.5%		22.7%		23.0%		23.2%	
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-N766TBH540GL)**

Power Gain	10%	15%	20%	25%
Maximum Power -P <sub>mp</sub> (W)	594	621	648	675
Open Circuit Voltage -V <sub>oc</sub> (V)	48.07	48.07	48.07	48.07
Short Circuit Current -I <sub>sc</sub> (A)	15.01	15.70	16.39	17.06
Maximum Power Voltage -V <sub>mp</sub> (V)	41.26	41.26	41.26	41.26
Maximum Power Current -I <sub>mp</sub> (A)	14.40	15.05	15.71	16.36

**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 <sup>2</sup> (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.