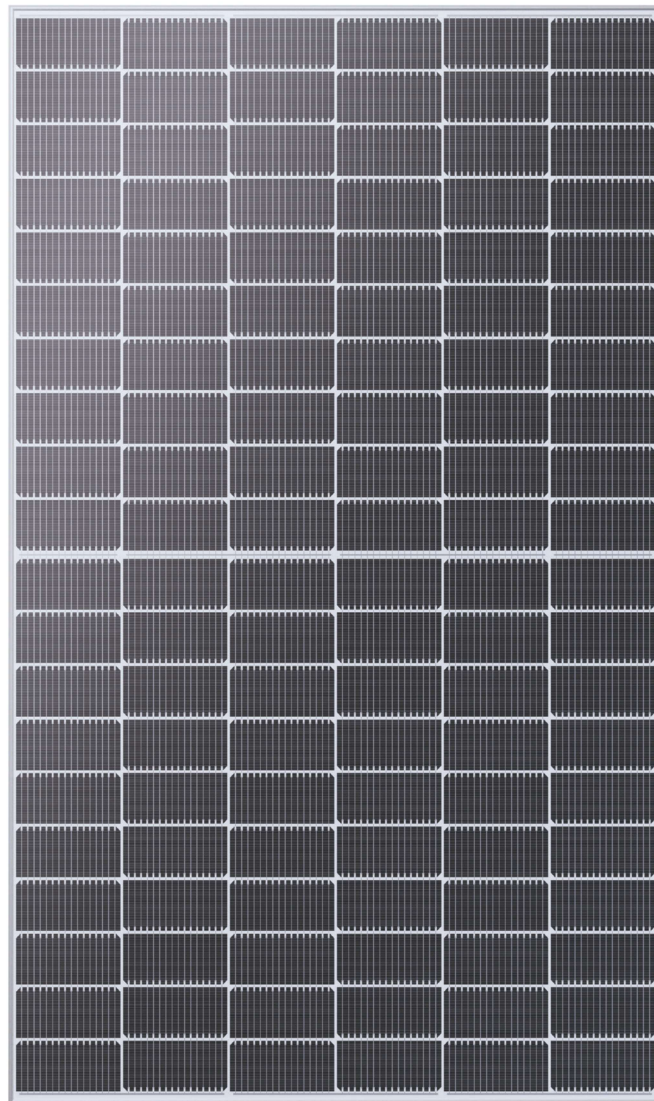




M/ET-PD-EN2024V1
info@elite-solar.com

ET-N760TBHGL
470W-490W



Advanced Technology

N-Type M10 wafer, TOPCon solar cell, High density interconnect technology.



Higher Performance

Especially suitable for scenarios with high albedo, high temperature, limited land and high labor cost.



Higher Power Generation

Lower degradation, higher bifaciality and lower temperature coefficient improve energy yield.



High Value

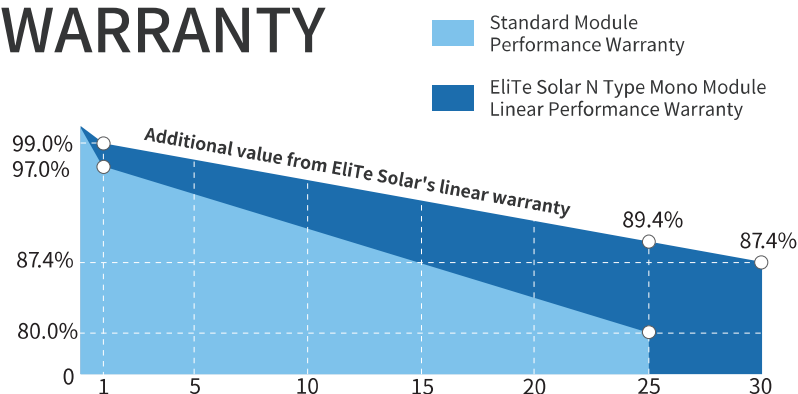
Higher efficiency cause lower LCOE and lower BOS cost.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

WARRANTY



1st year $\leq 1\%$, 2nd~30th years $\leq 0.40\%$ / year



Guarantee on product material and workmanship



Linear power output warranty

IEC61215
IEC61730
UL61215
UL61730



ELECTRICAL SPECIFICATIONS										
Module Type	ET-N760TBH470GL		ET-N760TBH475GL		ET-N760TBH480GL		ET-N760TBH485GL		ET-N760TBH490GL	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	470	353	475	357	480	361	485	365	490	368
Open Circuit Voltage -V _{oc} (V)	42.87	40.73	43.07	40.92	43.27	41.11	43.47	41.30	43.67	41.49
Short Circuit Current -I _{sc} (A)	13.56	10.94	13.62	10.99	13.67	11.03	13.73	11.08	13.79	11.13
Maximum Power Voltage -V _{mp} (V)	36.81	34.65	36.97	34.80	37.13	34.95	37.28	35.10	37.44	35.23
Maximum Power Current -I _{mp} (A)	12.77	10.19	12.85	10.26	12.93	10.33	13.01	10.40	13.09	10.45
Module Efficiency STC-η _m (%)	21.7%		22.0%		22.2%		22.4%		22.6%	
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-N760TBH480GL)				
Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	528	552	576	600
Open Circuit Voltage -V _{oc} (V)	43.27	43.27	43.27	43.27
Short Circuit Current -I _{sc} (A)	14.91	15.59	16.27	16.94
Maximum Power Voltage -V _{mp} (V)	37.13	37.13	37.13	37.13
Maximum Power Current -I _{mp} (A)	14.23	14.87	15.52	16.16

MECHANICAL SPECIFICATIONS	
External Dimension	1908 x 1134 x 30mm
Weight	27kg
Solar Cells	N Type 182 x 91 mm (120pcs)
Front Glass/Black Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm ² (12AWG), Portrait:200mm(+) /400mm(-); Or customized
Connector	MC4 Compatible
Power Bifaciality*	80% ± 10%

CURVE

The figure consists of two side-by-side line graphs. The left graph is titled 'Power-Voltage Curve(480W)' and plots Power (W) on the y-axis (0 to 500) against Voltage (V) on the x-axis (0 to 40). It shows five curves for different irradiances: 1000 W/m² (black), 800 W/m² (red), 600 W/m² (blue), 400 W/m² (green), and 200 W/m² (purple). The curves are parabolic, peaking at approximately 480W for 1000 W/m² and decreasing as irradiance decreases. The right graph is titled 'Current-Voltage Curve(480W)' and plots Current (A) on the y-axis (0 to 14) against Voltage (V) on the x-axis (0 to 40). It shows five curves for the same irradiances. The curves are nearly horizontal, indicating constant current, with values of approximately 13.3A for 1000 W/m² and decreasing as irradiance decreases.

Power-Voltage Curve(480W)

Y-axis: Power(W)

X-axis: Voltage(V)

Legend:

- 1000W/m²
- 800W/m²
- 600W/m²
- 400W/m²
- 200W/m²

Current-Voltage Curve(480W)

Y-axis: Current(A)

X-axis: Voltage(V)

Legend:

- 1000W/m²
- 800W/m²
- 600W/m²
- 400W/m²
- 200W/m²

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)	1944*1130*1264
Weight of packing (kg)	1012
Pieces per Container	864/684(NA)

[illegible]

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.