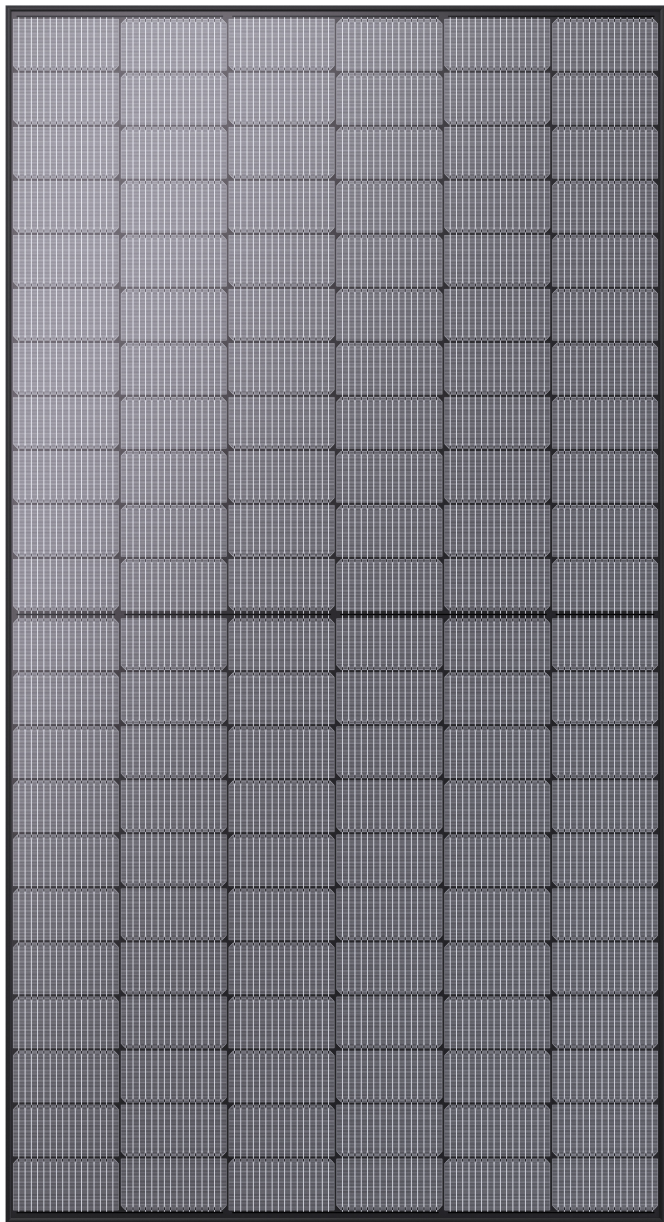




M/ET-PD-EN2024V2
info@elite-solar.com



ET-N766TBHGB
510W-530W

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 22.3% 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.

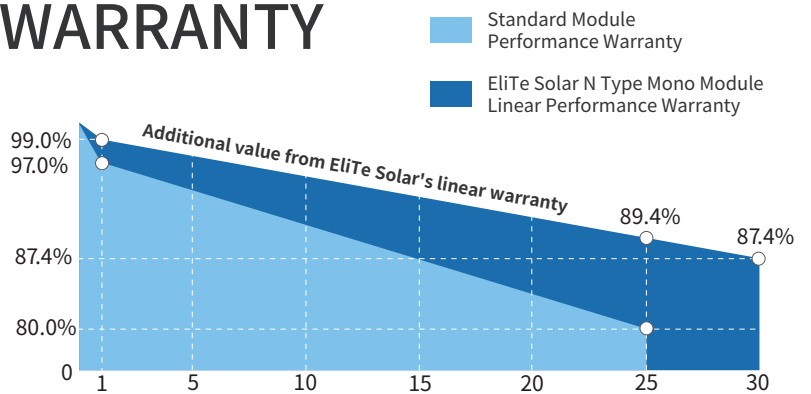


Enhanced Low-Light Performance Response
Enhanced performance in low-light conditions, ensuring superior power output even amidst cloudy or foggy weather.



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



Guarantee on product material and workmanship



Linear power output warranty

IEC61215
IEC61730
UL61215
UL61730



ELECTRICAL SPECIFICATIONS

| Module Type | ET-N766TBH510GB | | ET-N766TBH515GB | | ET-N766TBH520GB | | ET-N766TBH525GB | | ET-N766TBH530GB | |
|--|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power -P _{mp} (W) | 510 | 384 | 515 | 387 | 520 | 391 | 525 | 395 | 530 | 399 |
| Open Circuit Voltage -V _{oc} (V) | 46.87 | 44.53 | 47.07 | 44.72 | 47.27 | 44.91 | 47.47 | 45.10 | 47.67 | 45.29 |
| Short Circuit Current -I _{sc} (A) | 13.48 | 10.88 | 13.53 | 10.92 | 13.59 | 10.97 | 13.64 | 11.01 | 13.70 | 11.06 |
| Maximum Power Voltage -V _{mp} (V) | 40.26 | 37.87 | 40.43 | 38.06 | 40.6 | 38.19 | 40.77 | 38.35 | 40.93 | 38.52 |
| Maximum Power Current -I _{mp} (A) | 12.67 | 10.14 | 12.74 | 10.17 | 12.81 | 10.24 | 12.88 | 10.30 | 12.95 | 10.36 |
| Module Efficiency STC-η _m (%) | 21.5% | | 21.7% | | 21.9% | | 22.1% | | 22.3% | |
| 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) | | | | | | | | | |

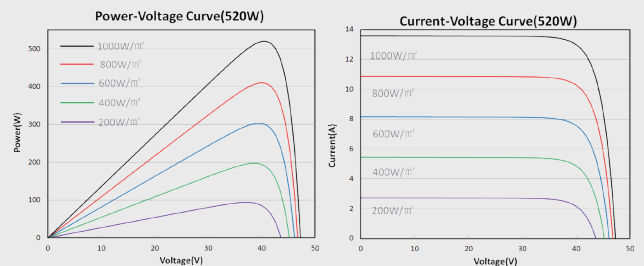
REAR SIDE POWER GAIN (ET-N766TBH520GB)

| | | | | |
|--|-------|-------|-------|-------|
| Power Gain | 10% | 15% | 20% | 25% |
| Maximum Power -P _{mp} (W) | 572 | 598 | 624 | 650 |
| Open Circuit Voltage -V _{oc} (V) | 47.27 | 47.27 | 47.27 | 47.27 |
| Short Circuit Current -I _{sc} (A) | 14.78 | 15.47 | 16.13 | 16.8 |
| Maximum Power Voltage -V _{mp} (V) | 40.6 | 40.6 | 40.6 | 40.6 |
| Maximum Power Current -I _{mp} (A) | 14.09 | 14.73 | 15.37 | 16.1 |

MECHANICAL SPECIFICATIONS

| | |
|---------------------------------------|---|
| External Dimension | 2094 x 1134 x 30mm |
| Weight | 29kg |
| Solar Cells | N Type 182 x 91 mm (132pcs) |
| Front Glass/Back 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



APPLICATION CONDITIONS

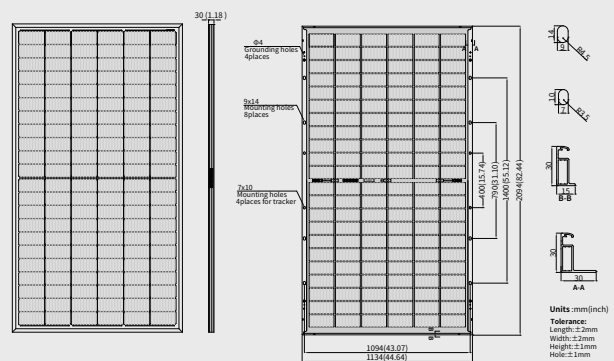
| | |
|------------------------------------|---------------|
| Maximum System Voltage | 1500VDC |
| Maximum Series Fuse Rating | 30A |
| Operating Temperature | -40~+85 °C |
| Nominal Operating Cell Temperature | 45±2 °C |
| Mechanical Load | 5400Pa/2400Pa |

PACKING MANNER

| | |
|------------------------|----------------|
| Container | 40' HQ |
| Pieces per Pallet | 36 |
| Size of packing (mm) | 2130*1130*1264 |
| Weight of packing (kg) | 1085 |
| Pieces per Container | 792/612(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.