

210N-Type

**22.20%**

Maximum Efficiency

**ET-N848TBHXXXGB**

XXX:Power Output Range 490-510W

**510W**

Maximum Power Output



## Product Features



### Enhanced Power Generation

Reduced degradation, heightened bifaciality, and a lower temperature coefficient boost energy output.



### Increased Value

Improved efficiency leads to reduced LCOE and lower BOS costs.



### Enhanced Performance

Well-suited for environments with high reflectivity, elevated temperatures, restricted land availability, and high labor expenses.



### Enhanced Low-Light Performance

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



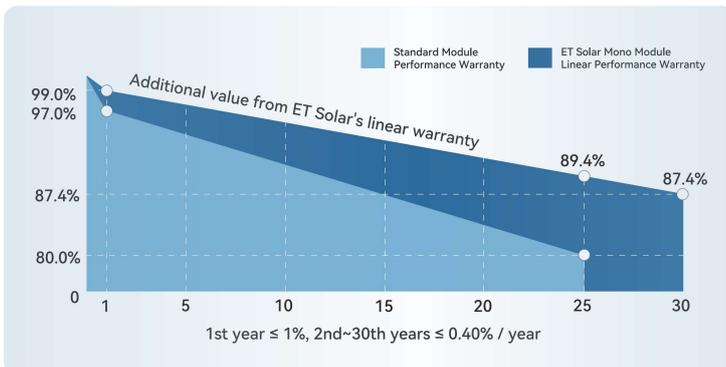
### Severe Weather Resilience

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



IEC61215  
IEC61730  
UL61215  
UL61730

## Warranty



Linear power output warranty



Guarantee on product material and workmanship

## 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-N848TBH490GB	ET-N848TBH495GB	ET-N848TBH500GB	ET-N848TBH505GB	ET-N848TBH510GB					
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P <sub>mp</sub> (W)	490	375	495	379	500	383	505	385	510	388
Open Circuit Voltage -V <sub>oc</sub> (V)	34.85	27.24	35.00	27.43	35.16	27.56	35.31	27.70	35.46	27.75
Short Circuit Current -I <sub>sc</sub> (A)	17.98	13.77	18.02	13.84	18.06	13.88	18.10	13.91	18.14	13.97
Maximum Power Voltage -V <sub>mp</sub> (V)	28.74	33.10	28.89	33.29	29.05	33.45	29.18	33.60	29.34	33.75
Maximum Power Current -I <sub>mp</sub> (A)	17.07	14.56	17.14	14.62	17.23	14.66	17.32	14.69	17.40	14.73
Module Efficiency STC-η <sub>m</sub> (%)	21.3%		21.6%		21.8%		22.0%		22.2%	
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)									

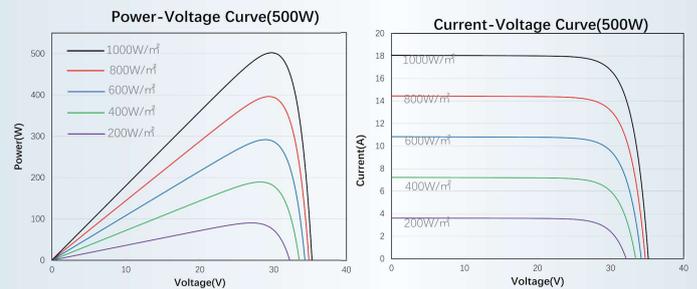
## REAR SIDE POWER GAIN (ET-N848TBH500GB)

Power Gain	10%	15%	20%	25%
Maximum Power -P <sub>mp</sub> (W)	550	575	600	625
Open Circuit Voltage -V <sub>oc</sub> (V)	35.16	35.16	35.16	35.16
Short Circuit Current -I <sub>sc</sub> (A)	20.04	20.96	21.87	22.78
Maximum Power Voltage -V <sub>mp</sub> (V)	29.05	29.05	29.05	29.05
Maximum Power Current -I <sub>mp</sub> (A)	18.93	19.80	20.66	21.52

## MECHANICAL SPECIFICATIONS

External Dimension	1762 x 1303 x 33mm/69.37 x 51.30 x 1.30inch
Weight	25.5kg/56.22lbs
Solar Cells	N-Type Mono-crystalline(96pcs)
Front Glass/Back 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%

## CURVE



## APPLICATION CONDITIONS

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

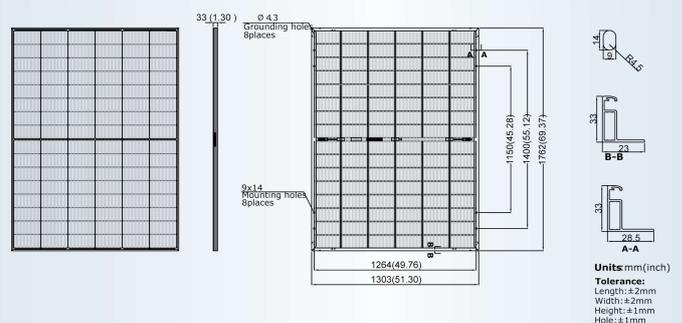
## PACKING MANNER

Container	40' GP
Pieces per Pallet	33
Size of packing (mm/inch)	1320*1100*1890/51.97*43.31*74.41
Weight of packing (kg/lbs)	874.5/1927.94
Pieces per Container	594

(Normal/Weight-limited area)

## PHYSICAL CHARACTERISTICS

Unit:mm/inch



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.