

VANTA Pro Max

ET-N848TBH500-520GL

22.6%

Maximum Efficiency

500-520W

Maximum Power Output



Increased 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.



Increased Performance

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

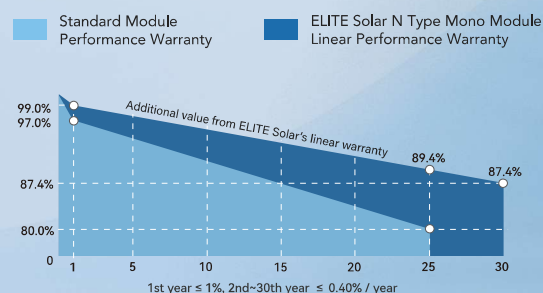
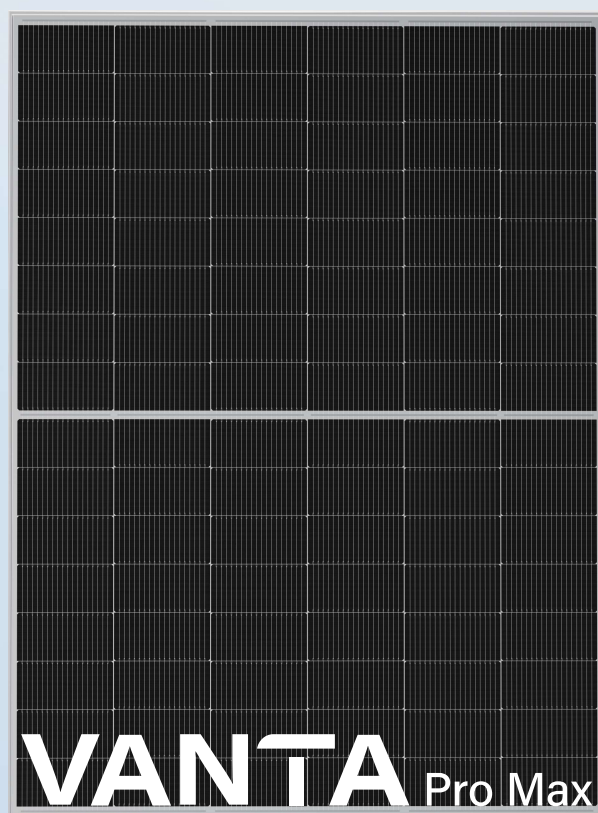
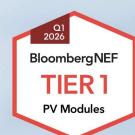


Severe Weather Resilience

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



IEC61215
IEC61730
UL61215
UL61730



Guarantee on product material and workmanship

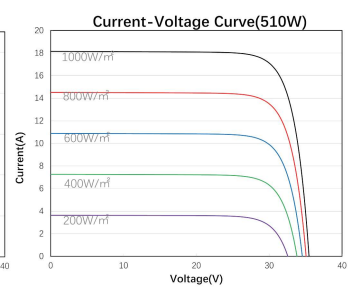
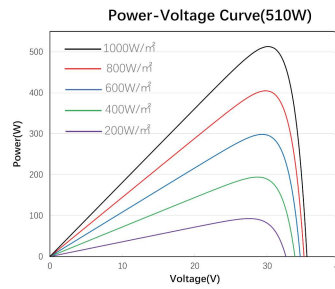
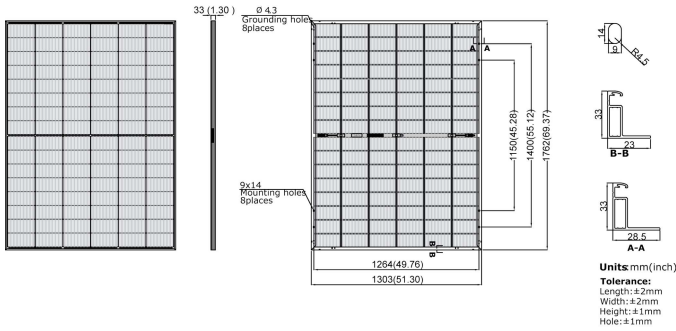


Linear power output warranty

PHYSICAL CHARACTERISTICS

Unit:mm/inch

CURVE



ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m² 25°C. NOCT : AM1.5 800W/m² 20°C 1m/s. Test uncertainty for Pmax: ±3%.

Module Type	ET-N848TBH500GL		ET-N848TBH505GL		ET-N848TBH510GL		ET-N848TBH515GL		ET-N848TBH520GL	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	500	383	505	385	510	388	515	391	520	394
Open Circuit Voltage -V _{oc} (V)	35.16	33.45	35.31	33.60	35.46	33.75	35.58	33.87	35.75	34.04
Short Circuit Current -I _{sc} (A)	18.06	14.66	18.10	14.69	18.14	14.73	18.18	14.76	18.22	14.79
Maximum Power Voltage -V _{mp} (V)	29.05	27.56	29.18	27.70	29.34	27.75	29.49	27.81	29.63	27.95
Maximum Power Current -I _{mp} (A)	17.23	13.88	17.32	13.91	17.40	13.97	17.47	14.04	17.57	14.08
Module Efficiency STC-η _m (%)	21.8%		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-N848TBH510GL)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	561	586	612	637
Open Circuit Voltage -V _{oc} (V)	35.46	35.46	35.46	35.46
Short Circuit Current -I _{sc} (A)	20.14	21.06	21.97	22.89
Maximum Power Voltage -V _{mp} (V)	29.34	29.34	29.34	29.34
Maximum Power Current -I _{mp} (A)	19.12	19.99	20.86	21.73

MECHANICALSPECIFICATIONS

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 mm²(12AWG), Portrait:200mm(+)/400mm(-); Or customized
Connector	CD2/MC4 Compatible
Power Bifaciality*	80%±10%

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

PACKAGING

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 (Normal/Weight-limited area)	594

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.