

VANTA^{Pro}

ET-NR54TBH495-515GL/GB

23.2%

Maximum Efficiency

495-515W

Maximum Power Output



SMBB Technology

Uses advanced technology to enhance light trapping and optimize current collection, resulting in increased module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantees via optimized mass- production process and materials control.

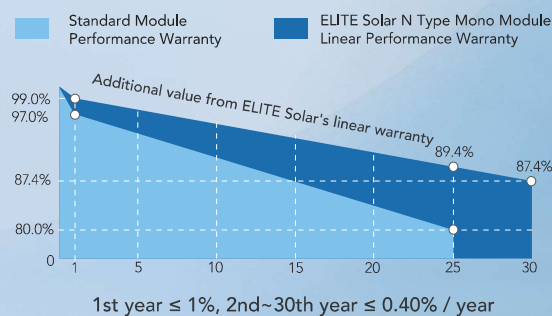
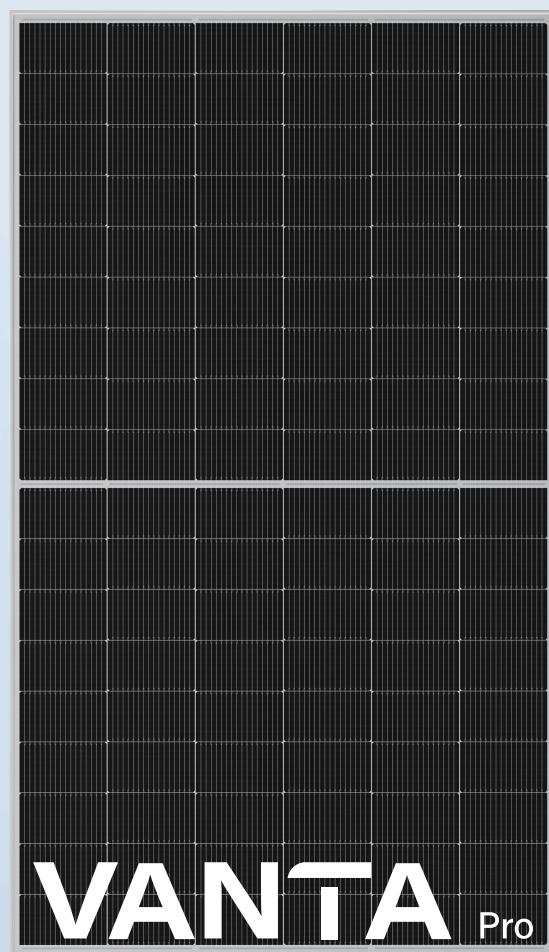
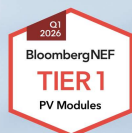


Increased Power Output

Module power increases approximately 5-25% , resulting in significantly lower LCOE and higher IRR.



IEC61215
IEC61730
UL61215
UL61730

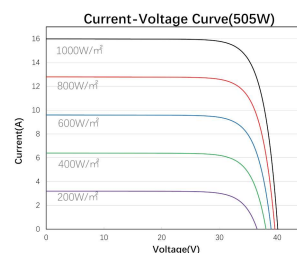


Guarantee on product material and workmanship



Linear power output warranty

CURVE



Module Type	ET-NR54TBH495GL		ET-NR54TBH500GL		ET-NR54TBH505GL		ET-NR54TBH510GL		ET-NR54TBH515GL	
	ET-NR54TBH495GB		ET-NR54TBH500GB		ET-NR54TBH505GB		ET-NR54TBH510GB		ET-NR54TBH515GB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	495	374	500	379	505	383	510	388	515	392
Open Circuit Voltage -V _{oc} (V)	39.68	37.77	39.88	37.96	40.08	38.15	40.28	38.34	40.48	38.53
Short Circuit Current -I _{sc} (A)	15.85	12.82	15.92	12.89	15.99	12.96	16.06	13.03	16.13	13.10
Maximum Power Voltage -V _{mp} (V)	33.00	30.89	33.18	31.08	33.36	31.27	33.54	31.46	33.71	31.65
Maximum Power Current -I _{mp} (A)	15.00	12.12	15.07	12.19	15.14	12.26	15.21	12.33	15.28	12.40
Module Efficiency STC-η _m (%)	22.3%		22.5%		22.7%		22.9%		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-NR54TBH505GL)

Power Gain	10%	15%	20%	25%
Maximum Power - P_{mp} (W)	556	581	606	531
Open Circuit Voltage - V_{oc} (V)	40.08	40.08	40.08	40.08
Short Circuit Current - I_{sc} (A)	17.76	18.56	19.36	20.16
Maximum Power Voltage - V_{mp} (V)	33.36	33.36	33.36	33.36
Maximum Power Current - I_{mp} (A)	16.65	17.41	18.17	18.92

MECHANICAL SPECIFICATIONS

External Dimension	1961 x 1134 x 30mm/77.20 x 44.65 x 1.18inch
Weight	27.5kg/60.63lbs
Solar Cells	N-Type Mono-crystalline (108pcs)
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	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKAGING

Container	40'HQ
Pieces per Pallet	36
Size of packing (mm/inch)	1980*1130*1264/77.95*44.49*49.76
Weight of packing (kg/lbs)	1030/2270.76
Pieces per Container	864/648

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.