

VANTA

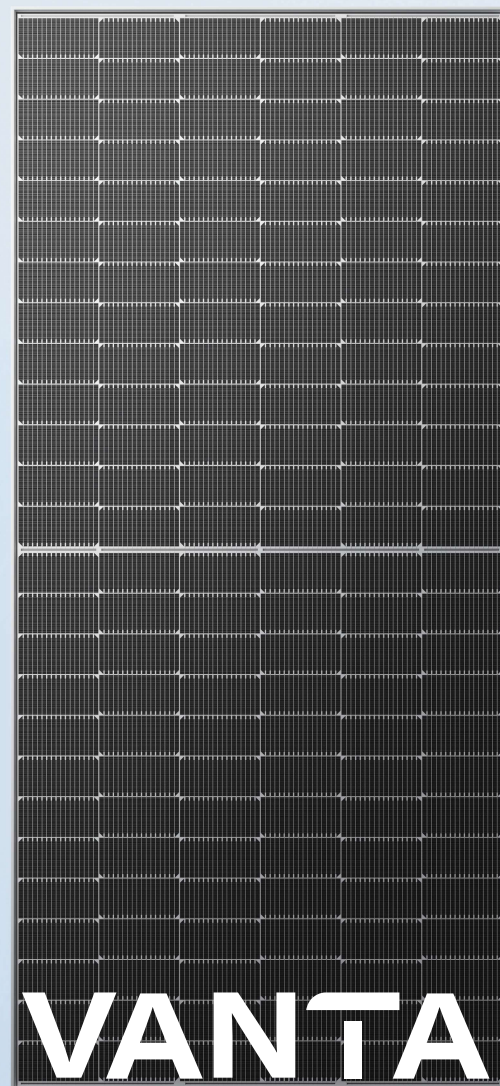
ET-N778TBH630-650GL

23.3%

Maximum Efficiency

630-650W

Maximum Power Output



Advanced Technology

N-Type M10 wafer High density interconnect technology.



Increased Value

Increased efficiency results in decreased LCOE and BOS costs.



Increased Power Generation

Lower degradation, increased bifaciality, and lower temperature coefficient improves energy yields.



Severe Weather Resilience

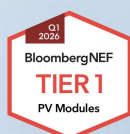
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



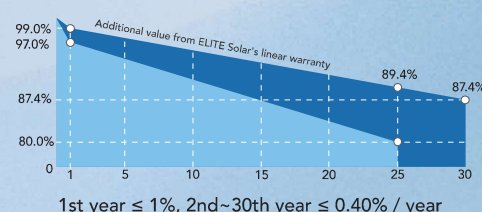
IEC61215
IEC61730
UL61215
UL61730



Ariel Green



Standard Module Performance Warranty ELITE Solar N Type Mono Module Linear Performance Warranty



12 YEARS

Guarantee on product material and workmanship

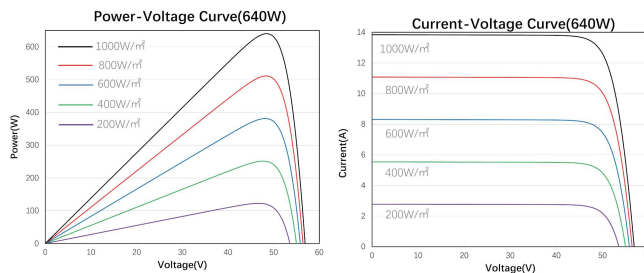
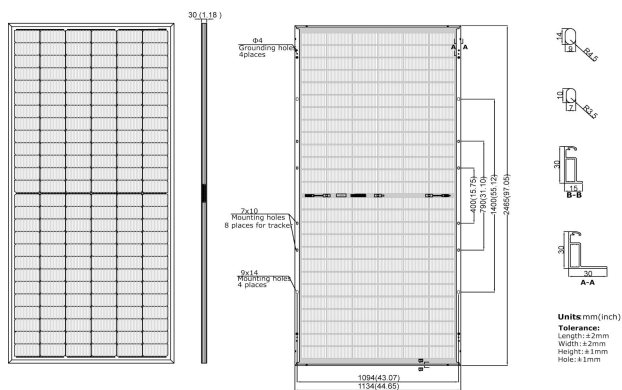
30 YEARS

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-N778TBH630GL		ET-N778TBH635GL		ET-N778TBH640GL		ET-N778TBH645GL		ET-N778TBH650GL	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	630	474	635	478	640	481	645	485	650	489
Open Circuit Voltage -V _{oc} (V)	56.49	53.67	56.69	53.86	56.89	54.05	57.09	54.24	57.29	54.43
Short Circuit Current -I _{sc} (A)	13.74	11.09	13.79	11.13	13.84	11.17	13.89	11.21	13.93	11.24
Maximum Power Voltage -V _{mp} (V)	48.43	45.58	48.59	45.75	48.75	45.87	48.91	46.02	49.07	46.17
Maximum Power Current -I _{mp} (A)	13.01	10.40	13.07	10.45	13.13	10.49	13.19	10.54	13.25	10.59
Module Efficiency STC-η _m (%)	22.5%		22.7%		22.9%		23.1%		23.3%	
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-N778TBH640GL)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	704	736	768	800
Open Circuit Voltage -V _{oc} (V)	56.89	56.89	56.89	56.89
Short Circuit Current -I _{sc} (A)	15.05	15.75	16.44	17.11
Maximum Power Voltage -V _{mp} (V)	48.75	48.75	48.75	48.75
Maximum Power Current -I _{mp} (A)	14.44	15.10	15.76	16.41

MECHANICAL SPECIFICATIONS

External Dimension	2465 x 1134 x 30mm/97.05 x 44.65 x 1.18inch
Weight	35kg/77.16lbs
Solar Cells	N-Type Mono-crystalline(156pcs)
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)	2485*1130*1264/97.83*44.49*49.76
Weight of packing (kg/lbs)	1303/2872.62
Pieces per Container	576/504

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.