

VANTA P

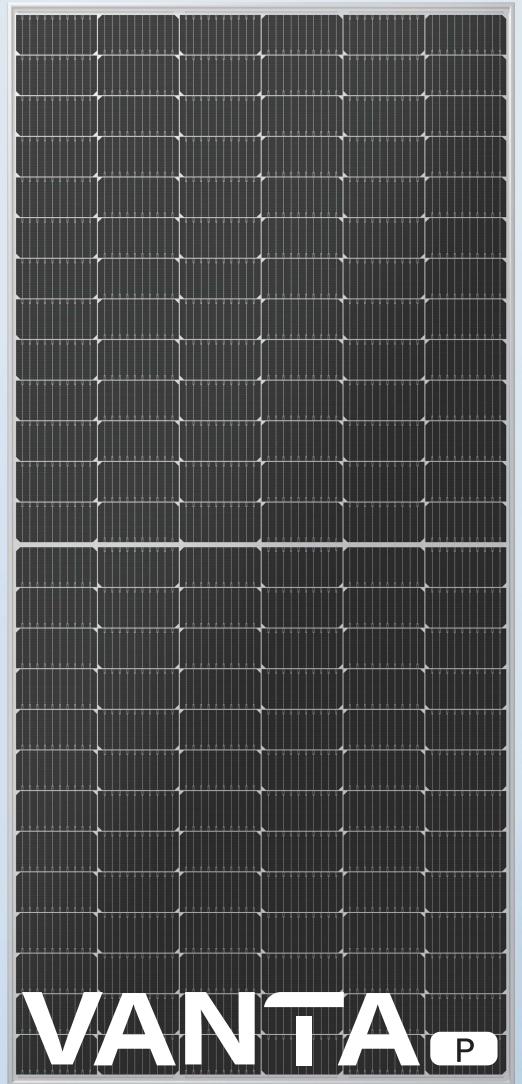
ET-M778BH585-605TW

21.64%

Maximum Efficiency

585-605W

Maximum Power Output



Increased Efficiency

Increased module conversion efficiency from half cut cell structure (low resistance characteristic, decreased mismatch loss).



Increased Power Generation

Bifacial technology enables additional energy harvesting from rear side (up to 25%)



PID Resistance

Excellent Anti-PID performance guarantees limited power degradation for mass production.

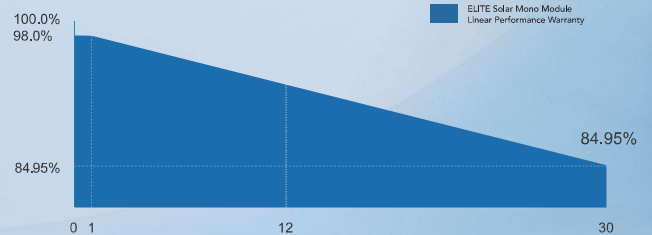


Severe Weather Resilience

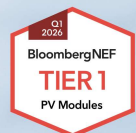
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



IEC61215
IEC61730
UL61215
UL61730



1st year ≤ 2%, 2nd ~ 30th year ≤ 0.45%/year



Guarantee on product material and workmanship

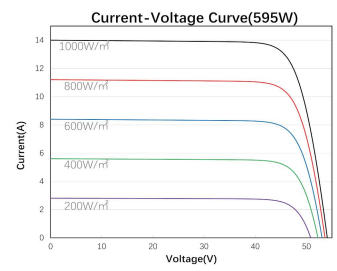
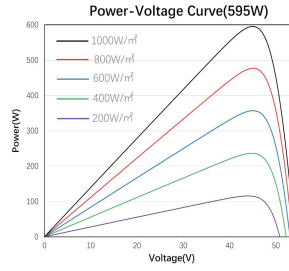
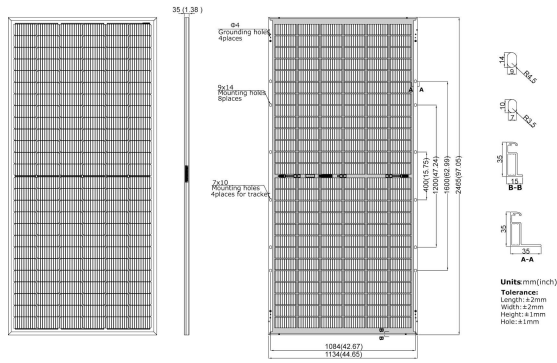


Linear power output warranty

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-M778BH585TW		ET-M778BH590TW		ET-M778BH595TW		ET-M778BH600TW		ET-M778BH605TW	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	585	439	590	443	595	447	600	451	605	455
Open Circuit Voltage -V _{oc} (V)	53.74	50.36	53.90	50.51	54.07	50.66	54.23	50.81	54.39	50.96
Short Circuit Current -I _{sc} (A)	13.86	11.41	13.93	11.47	14.00	11.53	14.07	11.59	14.14	11.65
Maximum Power Voltage -V _{mp} (V)	45.11	40.61	45.25	40.75	45.39	40.90	45.53	41.04	45.67	41.18
Maximum Power Current -I _{mp} (A)	12.97	10.81	13.04	10.87	13.11	10.93	13.18	10.99	13.25	11.05
Module Efficiency STC-η _m (%)	20.93%		21.11%		21.29%		21.46%		21.64%	
Power Tolerance (W)	0~+3%									
Pmax Temperature Coefficient	-0.339%/°C									
Voc Temperature Coefficient	-0.251%/°C									
Isc Temperature Coefficient	+0.046%/°C									
Fire Performance	Class C(TUV)Type 1(UL)									

REAR SIDE POWER GAIN (ET-M778BH595TW)

	10%	15%	20%	25%
Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	654	684	714	743
Open Circuit Voltage -V _{oc} (V)	54.07	54.07	54.07	54.07
Short Circuit Current -I _{sc} (A)	15.23	15.93	16.62	17.31
Maximum Power Voltage -V _{mp} (V)	45.39	45.39	45.39	45.39
Maximum Power Current -I _{mp} (A)	14.42	15.07	15.73	16.39

MECHANICALSPECIFICATIONS

External Dimension	2465 x 1134 x 35mm/97.05 x 44.65 x 1.38inch
Weight	31kg/68.34lbs
Solar Cells	P-Type Mono-crystalline(156pcs)
Front Glass	3.2mm(0.13inch)
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length	4.0 mm ² (12AWG), Portrait:200mm(+)/400mm(-); Or customized
Connector	CD2/MC4 Compatible
Power Bifaciality*	70%±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	31
Size of packing (mm/inch)	2485*1130*1264/97.83*44.49*49.76
Weight of packing (kg/lbs)	1004/2213.44
Pieces per Container (Normal/Weight-limited area)	496