



**182P-Type**

**21.64%**

Maximum Efficiency

**605W**

Maximum Power Output

**ET-M778BHXXXTW**

XXX:Power Output Range 585-605W



**Increased Power Generation**

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



**Increased Efficiency**

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



**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).



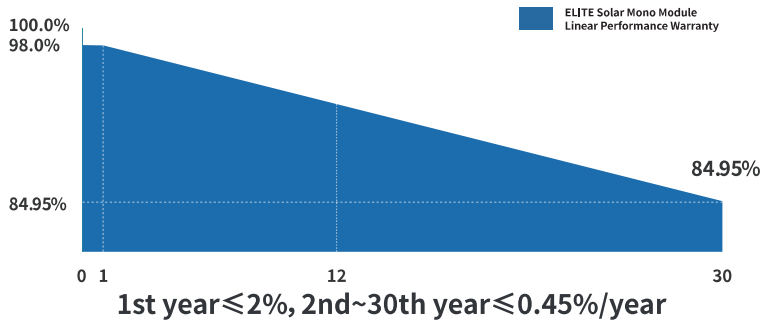
**Durability Against Extreme Environmental Conditions**

Exceptional durability against salt mist and ammonia exposure.



IEC61215  
IEC61730  
UL61215  
UL61730

## Warranty Information



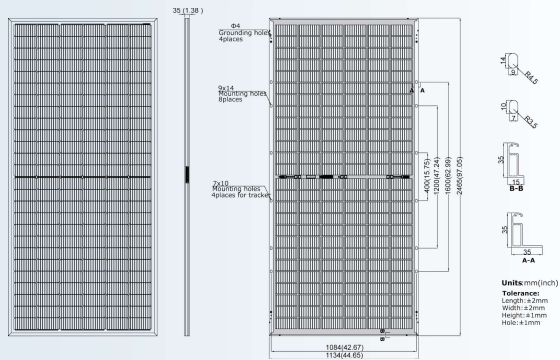
Linear power output warranty



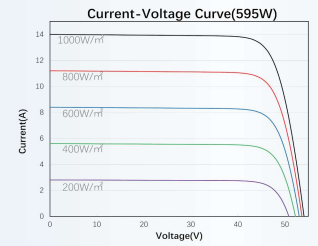
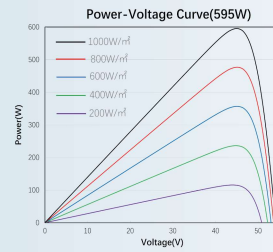
Guarantee on product material and workmanship

## PHYSICAL CHARACTERISTICS

Unit:mm/inch



## CURVE



## ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m<sup>2</sup> 25°C. NOCT : AM1.5 800W/m<sup>2</sup> 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 <sub>mp</sub> (W)	585	439	590	443	595	447	600	451	605	455
Open Circuit Voltage -V <sub>oc</sub> (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 <sub>sc</sub> (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 <sub>mp</sub> (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 <sub>mp</sub> (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 <sub>m</sub> (%)	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 <sub>mp</sub> (W)	654.5	684.25	714	743.75
Open Circuit Voltage -V <sub>oc</sub> (V)	54.07	54.07	54.07	54.07
Short Circuit Current -I <sub>sc</sub> (A)	15.23	15.93	16.62	17.31
Maximum Power Voltage -V <sub>mp</sub> (V)	45.39	45.39	45.39	45.39
Maximum Power Current -I <sub>mp</sub> (A)	14.42	15.07	15.73	16.39

## MECHANICAL SPECIFICATIONS

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 <sup>2</sup> (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

Please contact [info@elite-solar.com](mailto: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.