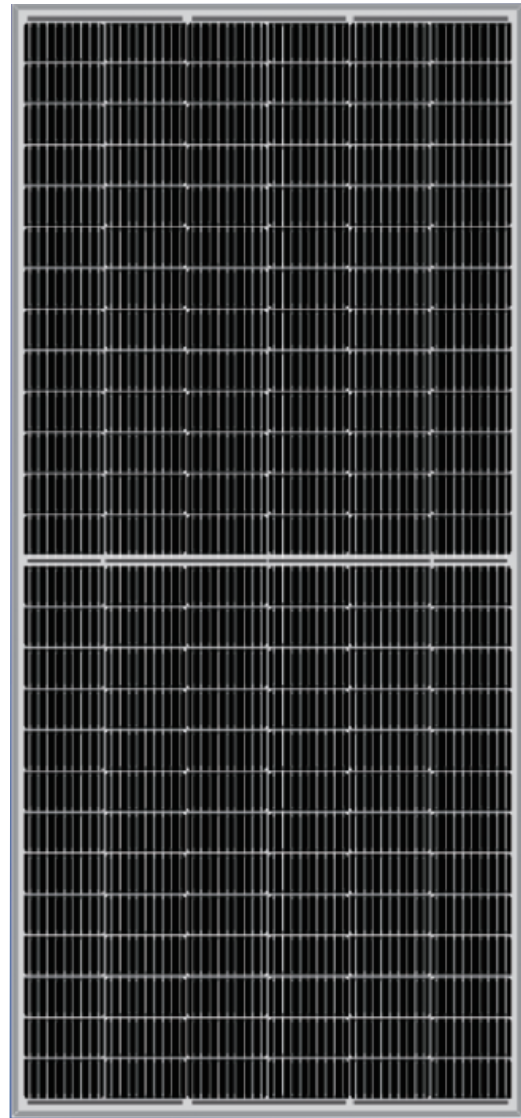




M/ET-PD-EN2023V2  
info@elite-solar.com



**ET-M778BHGL**  
**580W-600W**

PERC BIFACIAL MODULE



**High Power Generation**  
Bifacial technology enables additional energy harvesting from rear side(up to 25%)



**High Efficiency**  
Higher module conversion efficiency benefit from half-cut cell structure (low resistance characteristic, less mismatch loss).



**Severe Weather Resilience**  
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



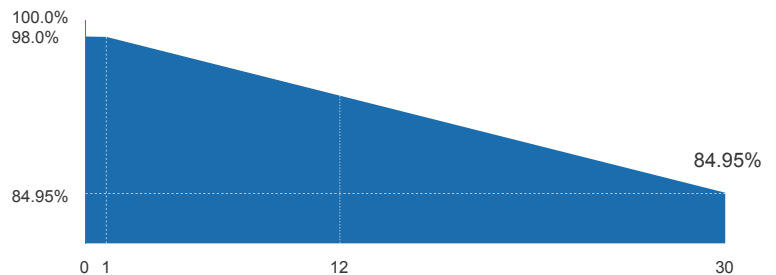
**PID Resistance**  
Excellent Anti-PID performance guarantee limited power degradation for mass production.



**Durability Against Extreme Environmental Conditions**  
High salt mist, ammonia resistance and excellent fire resistance.

## WARRANTY

EliTe Solar Mono Module Linear Performance Warranty



1st year  $\leq$  2%, 2nd~30th years  $\leq$  0.45% / year



Guarantee on product material and workmanship



Linear power output warranty

IEC61215  
IEC61730  
UL61215  
UL61730



## ELECTRICAL SPECIFICATIONS

Module Type	ET-M778BH580GL		ET-M778BH585GL		ET-M778BH590GL		ET-M778BH595GL		ET-M778BH600GL	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P <sub>mp</sub> (W)	580	433.1	585	436.9	590	440.6	595	444.3	600	448.1
Open Circuit Voltage -V <sub>oc</sub> (V)	53.45	50.01	53.60	50.15	53.75	50.29	53.90	50.43	54.05	50.57
Short Circuit Current -I <sub>sc</sub> (A)	13.78	11.13	13.84	11.18	13.89	11.23	13.94	11.28	14.00	11.33
Maximum Power Voltage -V <sub>mp</sub> (V)	44.95	41.91	45.10	42.05	45.25	42.19	45.42	42.36	45.60	42.52
Maximum Power Current -I <sub>mp</sub> (A)	12.91	10.34	12.98	10.39	13.04	10.44	13.10	10.49	13.16	10.54
Module Efficiency STC-η <sub>m</sub> (%)	20.7%		21.1%		21.1%		21.3%		21.5%	
Power Tolerance (W)	0~+3%									
Pmax Temperature Coefficient	-0.360%/°C									
Voc Temperature Coefficient	-0.292%/°C									
Isc Temperature Coefficient	+0.044%/°C									
Fire Performance	Type 29(UL)									

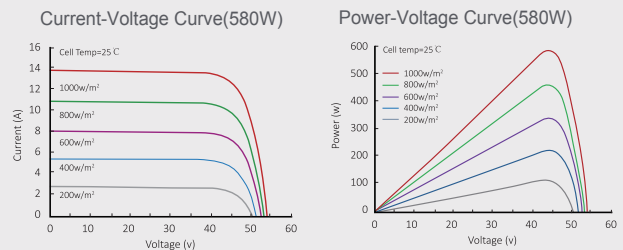
## REAR SIDE POWER GAIN (ET-M778BH580GL)

Power Gain	10%	15%	20%	25%
Maximum Power -P <sub>mp</sub> (W)	638	667	696	725
Open Circuit Voltage -V <sub>oc</sub> (V)	53.45	53.55	53.55	53.55
Short Circuit Current -I <sub>sc</sub> (A)	15.16	15.84	16.53	17.22
Maximum Power Voltage -V <sub>mp</sub> (V)	44.95	45.05	45.05	45.05
Maximum Power Current -I <sub>mp</sub> (A)	14.20	14.84	15.49	16.13

## MECHANICAL SPECIFICATIONS

External Dimension	2465 x 1134 x 35mm
Weight	35kg
Solar Cells	PERC Mono crystalline 182 x 91 mm (156pcs)
Front Glass/Black Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm <sup>2</sup> (12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

## CURVE



## APPLICATION CONDITIONS

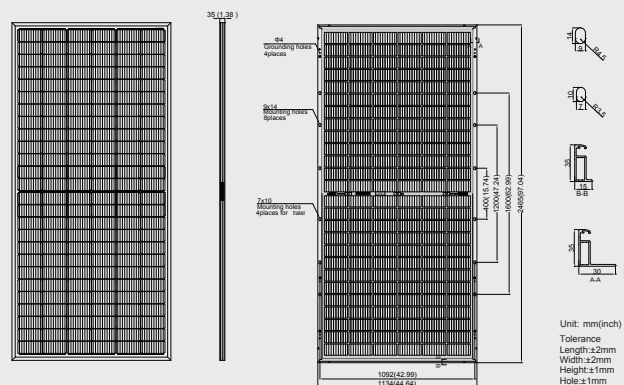
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

## PACKING MANNER

Container	40'HQ
Pieces per Pallet	31
Size of packing (mm)	2487*1130*1264
Weight of packing (kg)	1128
Pieces per Container	496

## PHYSICAL CHARACTERISTICS

Unit:mm



\* The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact ELiTe Solar.

**Note:** The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum. Please contact [info@elite-solar.com](mailto:info@elite-solar.com) for technical support. The actual transactions will be subject to the contracts. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.