EliTe Solar

M/ET-PD-EN2024V2

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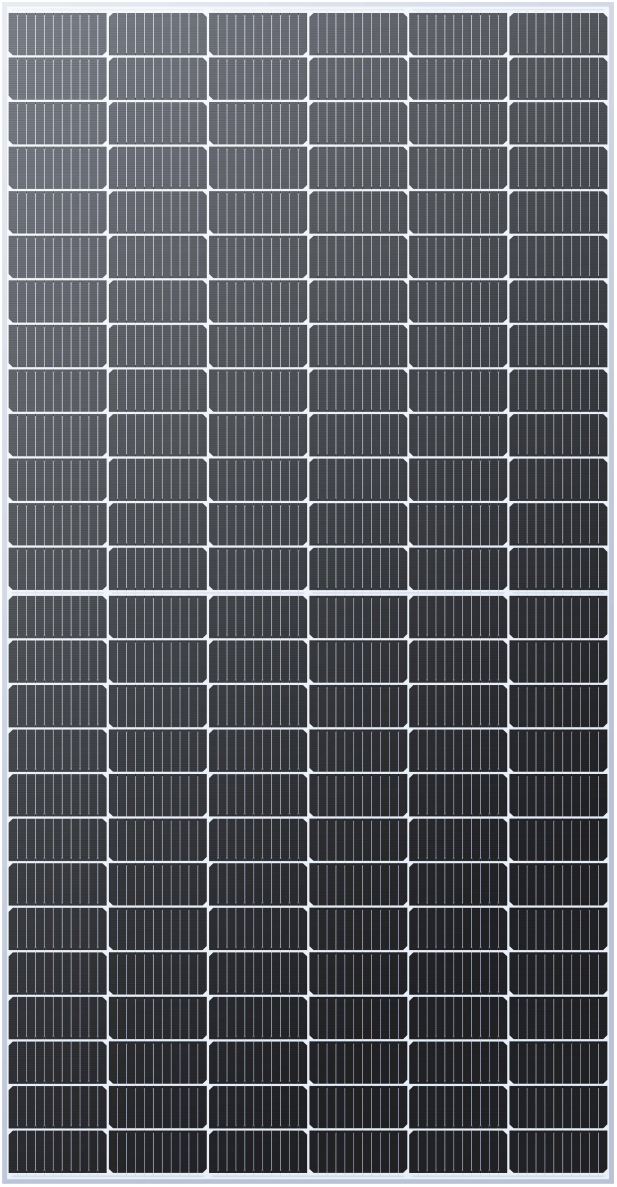


ET-M778BHGL

580W-600W

PERC BIFACIAL MODULE

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

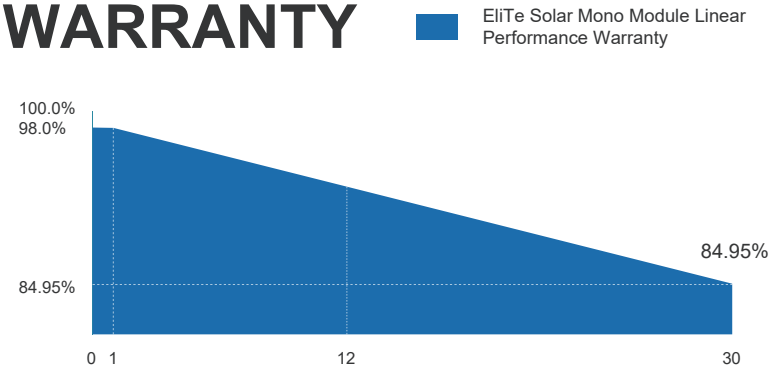
Increased Efficiency
Increased module conversion efficiency from half cut cell structure (low resistance characteristic，decreased mismatch loss).

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

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

Durability Against Extreme Environmental Conditions
Exceptional durability against salt mist and ammonia exposure.

WARRANTY



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

12 YEARS — Guarantee on product material and workmanship

30 YEARS — 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	STC	NOCT
Maximum Power -P_{mp} (W)	580	433.1	585	436.9	590	440.6	595	444.3	600	448.1
Open Circuit Voltage -V_{oc} (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_{sc} (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_{mp} (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_{mp} (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_m (%)	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)									

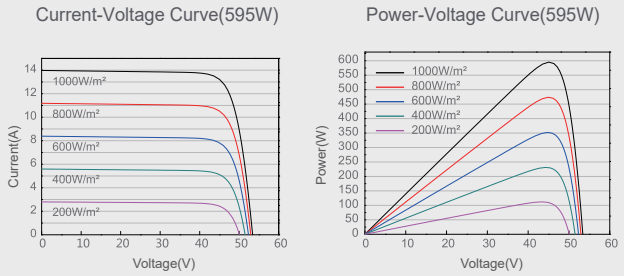
REAR SIDE POWER GAIN (ET-M778BH595GL)

Power Gain	10%	15%	20%	25%
Maximum Power -P_{mp} (W)	649	679	708	738
Open Circuit Voltage -V_{oc} (V)	53.90	53.90	53.90	53.90
Short Circuit Current -I_{sc} (A)	15.15	15.85	16.54	17.22
Maximum Power Voltage -V_{mp} (V)	45.25	45.25	45.25	45.25
Maximum Power Current -I_{mp} (A)	14.34	14.99	15.65	16.30

MECHANICAL SPECIFICATIONS

External Dimension	2465 x 1134 x 35mm
Weight	35kg
Solar Cells	PERC Mono crystalline 182 x 91 mm (156pcs)
Front Glass/Back Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm²(12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

CURVE



APPLICATION CONDITIONS

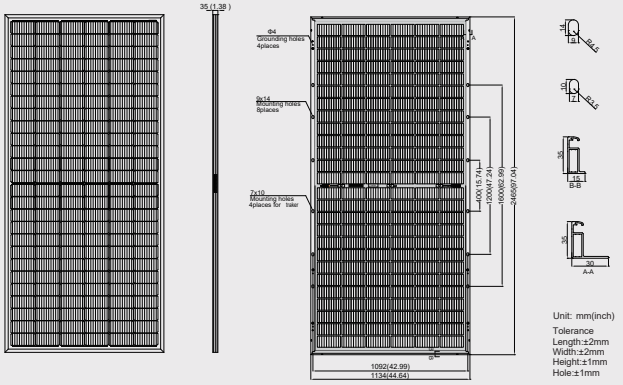
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

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/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.
Please contact 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.