EliTe Solar

M/ET-PD-EN2023V2

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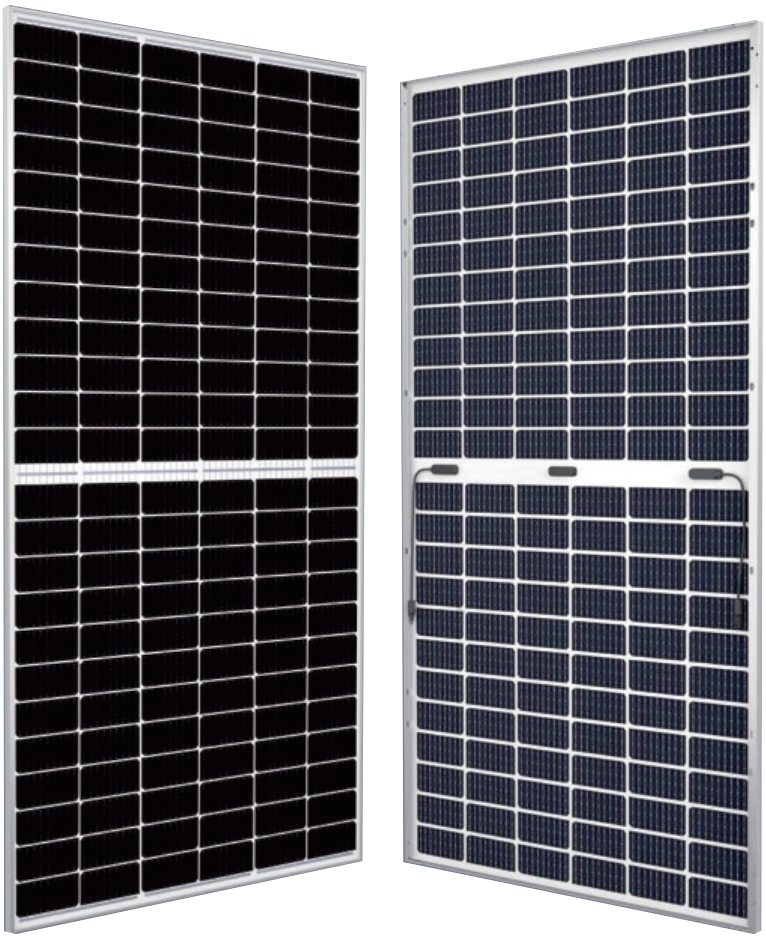


ET-M778BHTW/TB

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).

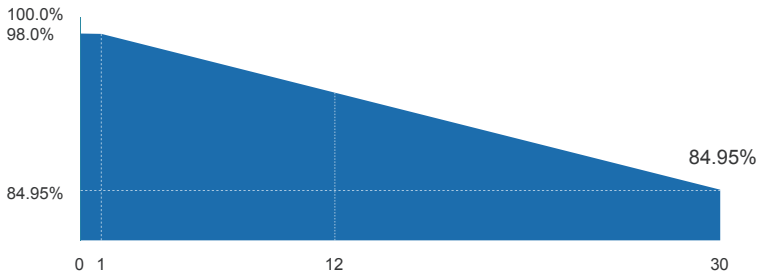
Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

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

Durability Against Extreme Environmental Conditions
High salt mist and ammonia resistance.

WARRANTY

EliTe Solar Mono Module Linear Performance 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

ETECTRICAL SPECIFICATIONS

Module Type	ET-M778BH580TW/TB		ET-M778BH585TW/TB		ET-M778BH590TW/TB		ET-M778BH595TW/TB		ET-M778BH600TW/TB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P_{mp} (W)	580	435	585	439	590	443	595	447	600	451
Open Circuit Voltage -V_{oc} (V)	53.58	50.21	53.74	50.36	53.90	50.51	54.07	50.66	54.23	50.81
Short Circuit Current -I_{sc} (A)	13.79	11.35	13.86	11.41	13.93	11.47	14.00	11.53	14.07	11.59
Maximum Power Voltage -V_{mp} (V)	44.97	40.47	45.11	40.61	45.25	40.75	45.39	40.90	45.53	41.04
Maximum Power Current -I_{mp} (A)	12.90	10.75	12.97	10.81	13.04	10.87	13.11	10.93	13.18	10.99
Module Efficiency STC-η_m (%)	20.7%		20.9%		21.1%		21.3%		21.5%	
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(IEC)/Type 1(UL)									

REAR SIDE POWER GAIN (ET-M778BH590TW)

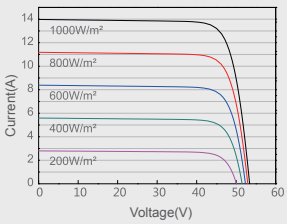
Power Gain	10%	15%	20%	25%
Maximum Power -P_{mp} (W)	649	679	708	738
Open Circuit Voltage -V_{oc} (V)	53.90	53.90	53.90	53.90
Short Circuit Current -I_{sc} (A)	15.15	15.85	16.54	17.22
Maximum Power Voltage -V_{mp} (V)	45.25	45.25	45.25	45.25
Maximum Power Current -I_{mp} (A)	14.34	14.99	15.65	16.30

MECHANICAL SPECIFICATIONS

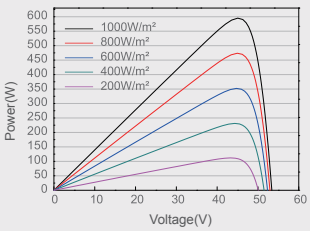
External Dimension	2465 x 1134 x 35mm
Weight	31kg
Solar Cells	PERC Mono crystalline 182 x 91mm (156pcs)
Front Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm²(12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

CURVE

Current-Voltage Curve(595W)



Power-Voltage Curve(595W)



APPLICATION CONDITIONS

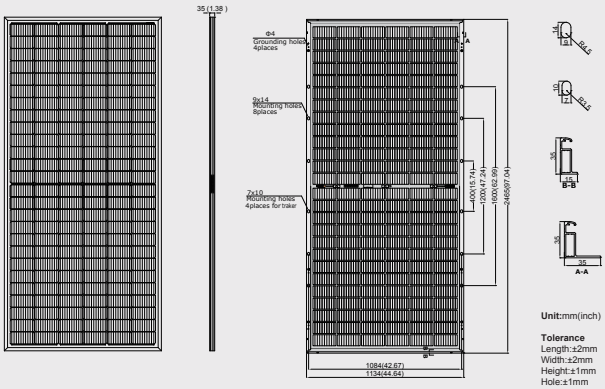
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

Container	40'HQ
Pieces per Pallet	31
Size of packing (mm)	2485*1130*1264
Weight of packing (kg)	1004
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.