EliTe Solar

M/ET-PD-EN2023V2
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ET-M766BHTW/TB

485W-505W

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).

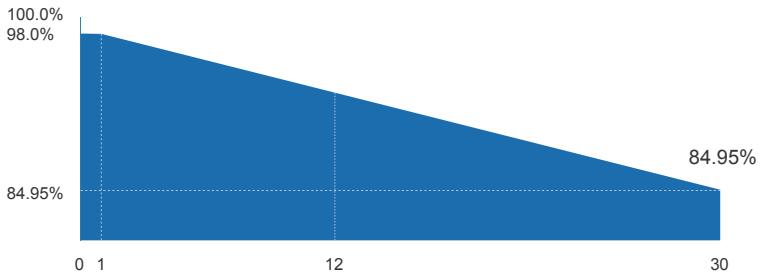
Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

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

Intertek

Munich RE

ETECTRICAL SPECIFICATIONS

Module Type	ET-M766BH485TW/TB		ET-M766BH490TW/TB		ET-M766BH495TW/TB		ET-M766BH500TW/TB		ET-M766BH505TW/TB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P_{mp} (W)	485	367	490	370	495	374	500	378	505	382
Open Circuit Voltage -V_{oc} (V)	45.20	42.30	45.33	42.43	45.46	42.56	45.59	42.69	45.72	42.82
Short Circuit Current -I_{sc} (A)	13.72	11.06	13.79	11.13	13.86	11.19	13.93	11.26	14.00	11.33
Maximum Power Voltage -V_{mp} (V)	37.81	35.67	37.99	35.76	38.17	35.83	38.35	35.90	38.53	35.97
Maximum Power Current -I_{mp} (A)	12.83	10.28	12.90	10.36	12.97	10.44	13.04	10.53	13.11	10.62
Module Efficiency STC-η_m (%)	20.4%		20.6%		20.8%		21.1%		21.3%	
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)									

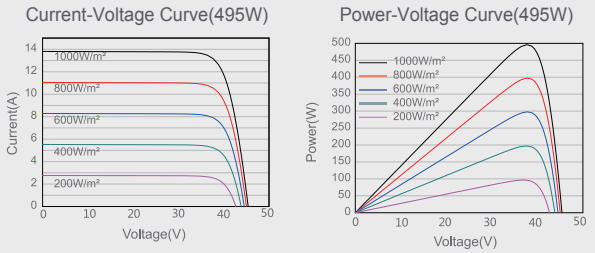
REAR SIDE POWER GAIN (ET-M766BH500TW)

Power Gain	10%	15%	20%	25%
Maximum Power -P_{mp} (W)	550	575	600	625
Open Circuit Voltage -V_{oc} (V)	45.59	45.59	45.59	45.59
Short Circuit Current -I_{sc} (A)	15.21	15.90	16.59	17.28
Maximum Power Voltage -V_{mp} (V)	38.35	38.35	38.35	38.35
Maximum Power Current -I_{mp} (A)	14.35	15.00	15.65	16.30

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 33mm
Weight	26kg
Solar Cells	PERC Mono crystalline 182 x 91mm (132pcs)
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



APPLICATION CONDITIONS

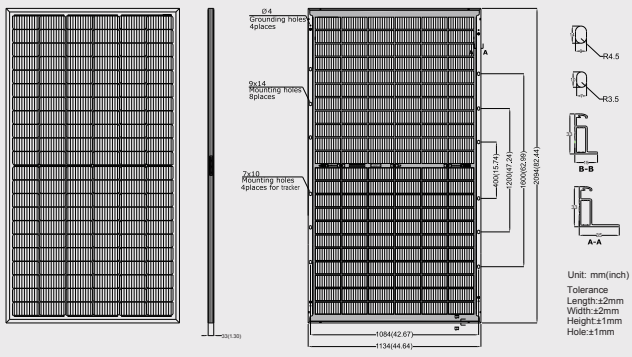
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

Container	40'HQ
Pieces per Pallet	33
Size of packing (mm)	2130*1130*1264
Weight of packing (kg)	899
Pieces per Container	726/693(NA)

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.