

**ET-M766BHBB**  
**480W-500W**

PERC MODULE



**THE-STATE-OF-THE-ART APPAERANCE**

Full black designed for a better aesthetic appearance and building integration.



**High Efficiency**

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



**PID Resistance**

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



**Severe Weather Resilience**

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

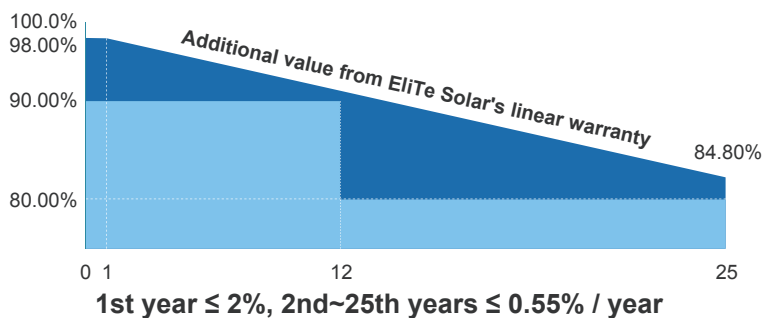


**Durability Against Extreme Environmental Conditions**

High salt mist and ammonia resistance.

## WARRANTY

- Standard Module Performance Warranty
- EliTe Solar Mono Module Linear Performance Warranty



Guarantee on product material and workmanship



Linear power output warranty

IEC61215  
IEC61730  
UL61215  
UL61730



## ELECTRICAL SPECIFICATIONS

Module Type	ET-M766BH480BB	ET-M766BH485BB	ET-M766BH490BB	ET-M766BH495BB	ET-M766BH500BB
Maximum Power $-P_{mp}$ (W)	480	485	490	495	500
Open Circuit Voltage $-V_{oc}$ (V)	45.07	45.20	45.33	45.46	45.59
Short Circuit Current $-I_{sc}$ (A)	13.65	13.72	13.79	13.86	13.93
Maximum Power Voltage $-V_{mp}$ (V)	37.62	37.81	37.99	38.17	38.35
Maximum Power Current $-I_{mp}$ (A)	12.76	12.83	12.90	12.97	13.04
Module Efficiency STC $\eta_m$ (%)	20.2%	20.4%	20.6%	20.8%	21.1%
Power Tolerance (W)	0-+3%				
Pmax Temperature Coefficient	-0.340%/°C				
Voc Temperature Coefficient	-0.263%/°C				
Isc Temperature Coefficient	+0.054%/°C				
Fire Performance	Class C(IEC)/Type 1(UL)				

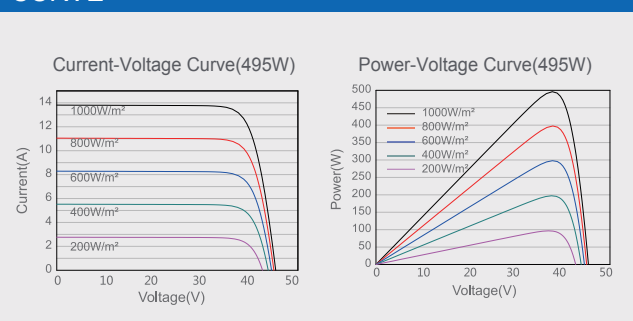
## ELECTRICAL SPECIFICATIONS(NOCT)

Module Type	ET-M766BH480BB	ET-M766BH485BB	ET-M766BH490BB	ET-M766BH495BB	ET-M766BH500BB
Maximum Power $-P_{mp}$ (W)	363	367	370	374	378
Open Circuit Voltage $-V_{oc}$ (V)	42.17	42.30	42.43	42.56	42.69
Short Circuit Current $-I_{sc}$ (A)	10.99	11.06	11.13	11.19	11.26
Maximum Power Voltage $-V_{mp}$ (V)	35.58	35.67	35.76	35.83	35.90
Maximum Power Current $-I_{mp}$ (A)	10.20	10.28	10.36	10.44	10.53

## MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 33mm
Weight	26kg
Solar Cells	PERC Mono crystalline 182 x 91 mm (132pcs)
Front Glass	3.2mm AR coating tempered glass
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

## CURVE



## APPLICATION CONDITIONS

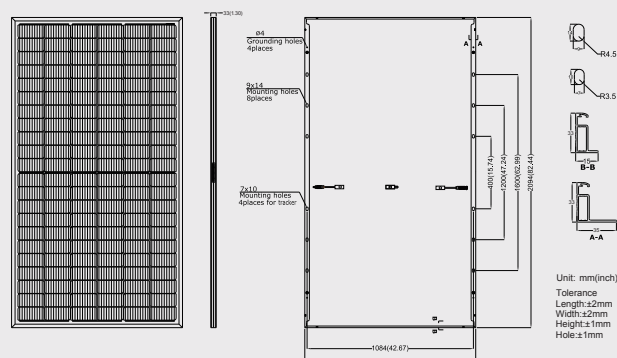
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A
Operating Temperature	-40--+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

## 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(A)

## 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.