

# EiTe

## PERC BIFACIAL

### PV MODULE

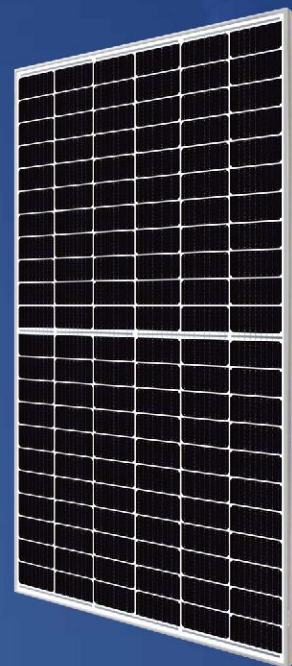
ET-M766BH485TW/TB 485W

ET-M766BH490TW/TB 490W

ET-M766BH495TW/TB 495W

ET-M766BH500TW/TB 500W

ET-M766BH505TW/TB 505W



## KEY FEATURES



Enhanced safety by excellent fire resistance



Perfect for sandy, snowy and high latitude regions



Bifacial technology enables additional energy harvesting from rear side (up to 25%)

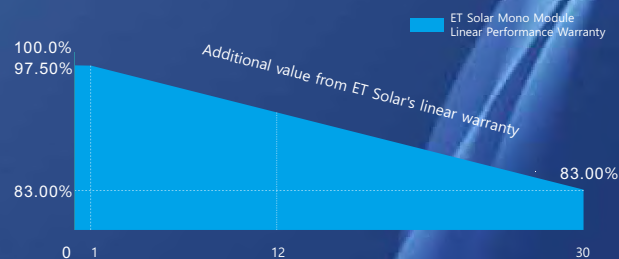


Lower operating temperature, more reliable



Cut cell, Less internal power loss, Less mismatch loss

## WARRANTY



IEC61215  
IEC61730  
UL61215  
UL61730



Guarantee on product material and workmanship



linear power output warranty

ET SOLAR  
sales@etsolar.gr

**ET** Solar  
M/ET-PD-EN-EU2021V2

## ELECTRICAL SPECIFICATIONS

Module Type	ET-M766BH485TW ET-M766BH485TB		ET-M766BH490TW ET-M766BH490TB		ET-M766BH495TW ET-M766BH495TB		ET-M766BH500TW ET-M766BH500TB		ET-M766BH505TW ET-M766BH505TB	
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	42.58	45.59	42.72	45.72	42.86
Short Circuit Current $-I_{sc}$ (A)	13.72	11.06	13.79	11.13	13.86	11.20	13.93	11.27	14.00	11.34
Maximum Power Voltage $-V_{mp}$ (V)	37.81	35.67	37.99	35.76	38.17	35.84	38.35	35.93	38.53	36.02
Maximum Power Current $-I_{mp}$ (A)	12.83	10.28	12.90	10.36	12.97	10.44	13.04	10.52	13.11	10.60
Module Efficiency STC $-n_m$ (%)	20.4%		20.6%		20.9%		21.0%		21.2%	
Power Tolerance (W)	(0, +4.99)									
Pmax Temperature Coefficient	-0.340%/°C									
Voc Temperature Coefficient	-0.257%/°C									
Isc Temperature Coefficient	+0.052%/°C									
Fire Performance	Class C(TUV)									

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		509	515	520	525	530
5%	Maximum Power $-P_{mp}$ (W)	509	515	520	525	530
	Module Efficiency STC (%)	21.4%	21.7%	21.9%	22.1%	22.3%
15%	Maximum Power $-P_{mp}$ (W)	558	564	569	575	581
	Module Efficiency STC (%)	23.5%	23.8%	24.0%	24.2%	24.5%
25%	Maximum Power $-P_{mp}$ (W)	606	613	619	625	631
	Module Efficiency STC (%)	25.5%	25.9%	26.1%	26.3%	26.6%

## MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 35mm
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
Output Cables	4.0 mm <sup>2</sup> (12AWG), Portrait:300mm(+)/400mm(-);Or customized
Connector	MC4 Compatible

## APPLICATION CONDITIONS

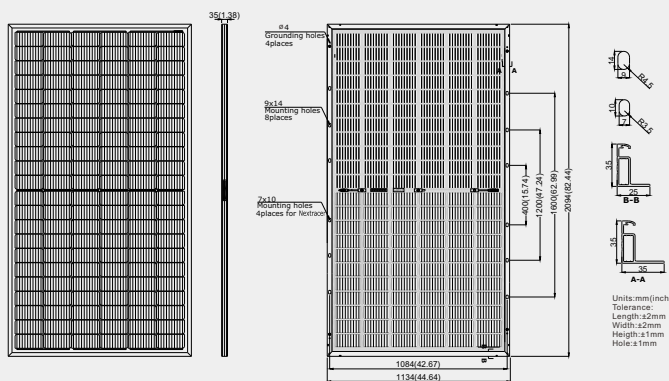
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

## PACKING MANNER

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682

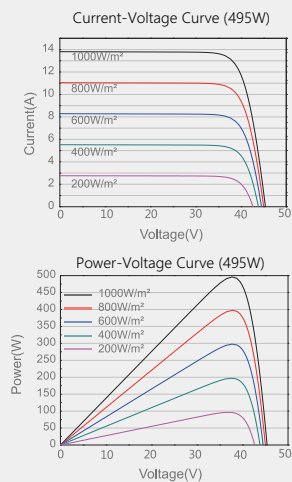
## PHYSICAL CHARACTERISTICS

Unit:mm



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

## CURVE



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 [sales@etsolar.gr](mailto:sales@etsolar.gr) for technical support. The actual transactions will be subject to the contracts. This parameters is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.