



# PERC BIFACIAL

## PV MODULE

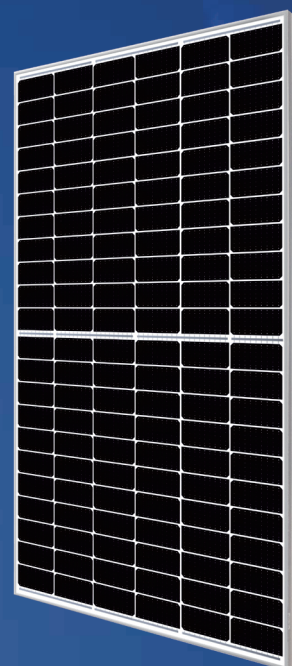
ET-M766BH485TW/TB 485W

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%)

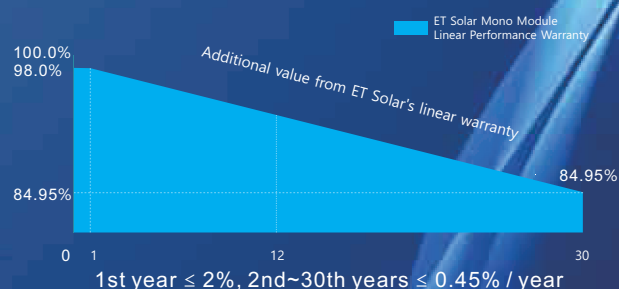


Lower operating temperature, more reliable



Cut cell, Less internal power loss, Less mismatch loss

## WARRANTY



IEC61215  
IEC61730  
UL61215  
UL61730



Guarantee on product material and workmanship



linear power output warranty



M/ET-PD-EN-EU2021V4

## 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
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- $\eta_m$ (%)	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(IEC)/Type 1(UL)									

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

## 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 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
Cable Length (Including Connector)	4.0 mm <sup>2</sup> (12AWG), Portrait:300mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±5%

## APPLICATION CONDITIONS

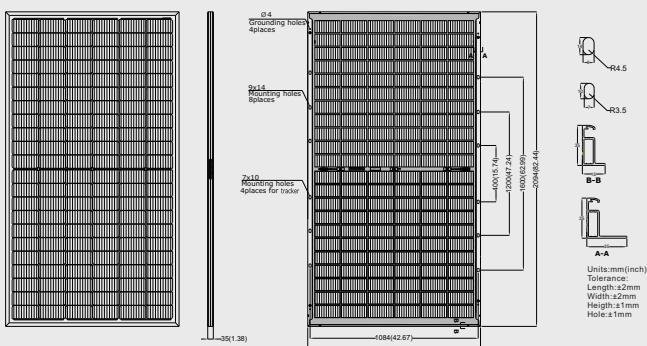
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

## PACKING MANNER

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

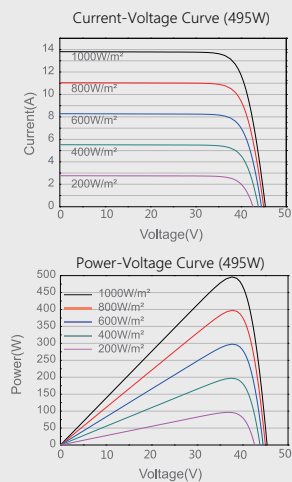
## PHYSICAL CHARACTERISTICS

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 [info@etsolar.com](mailto:info@etsolar.com) 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.