



PERC BIFACIAL

PV MODULE

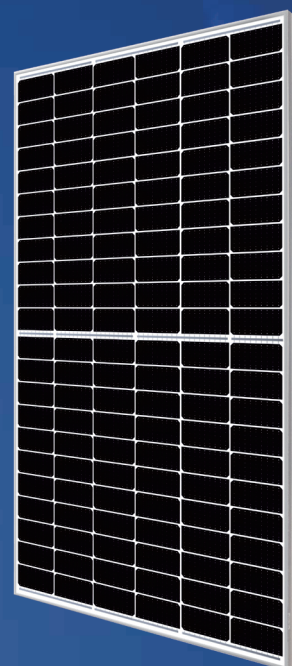
ET-M766BH485TW/TB 485W

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%)

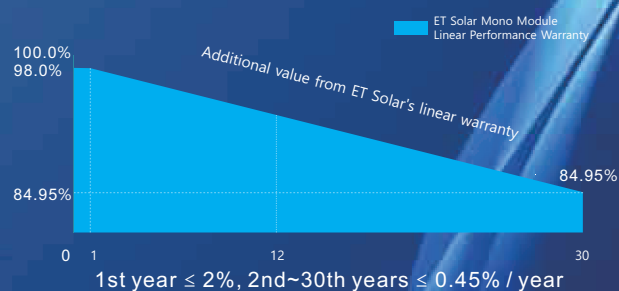


Lower operating temperature, more reliable



Cut cell, Less internal power loss, Less mismatch loss

WARRANTY



IEC61215
IEC61730
UL61215
UL61730



Munich RE



Guarantee on product material and workmanship



linear power output warranty

ET SOLAR
support@etsolar.hk



M/ET-PD-EN-EU2022V2

ELECTRICAL SPECIFICATIONS

Module Type	ET-M766BH485TW ET-M766BH485TB		ET-M766BH490TW ET-M766BH490TB		ET-M766BH495TW ET-M766BH495TB		ET-M766BH500TW ET-M766BH500TB		ET-M766BH505TW ET-M766BH505TB	
	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	42.58	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- η_m (%)	20.4%		20.6%		20.9%		21.0%		21.2%	
Power Tolerance (W)					(0 , +4.99)					
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)									

STC: Irradiance 1000 W/m² 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 ² (12AWG), Portrait:300mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

APPLICATION CONDITIONS

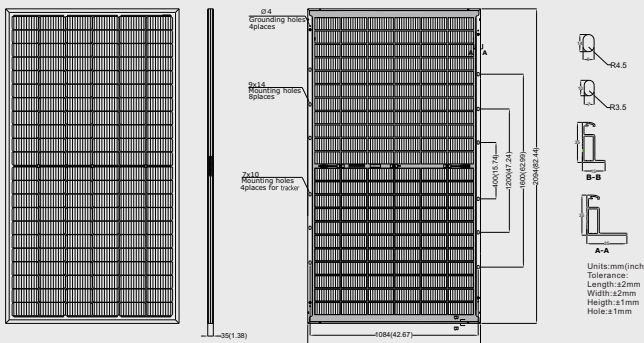
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

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

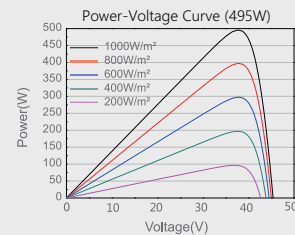
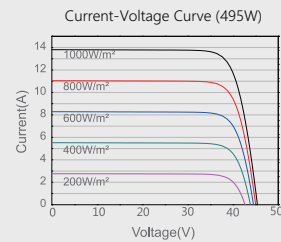
PHYSICAL CHARACTERISTICS

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/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 support@etsolar.hk 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.