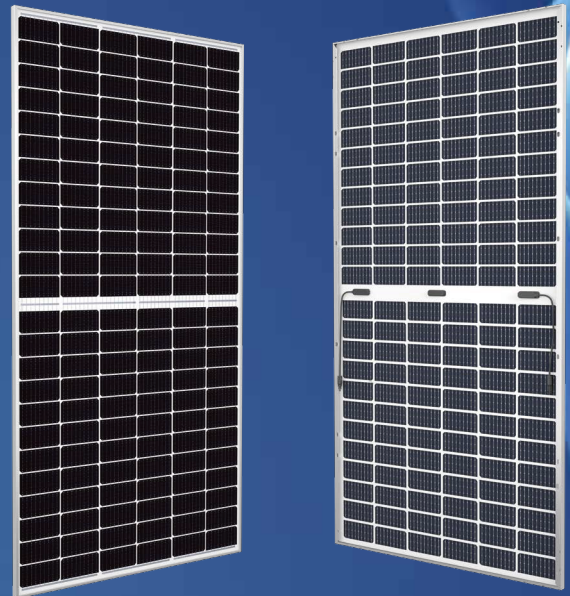




PERC BIFACIAL PV MODULE

- ET-M672BH435TW 435W
- ET-M672BH440TW 440W
- ET-M672BH445TW 445W
- ET-M672BH450TW 450W
- ET-M672BH455TW 455W



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%)



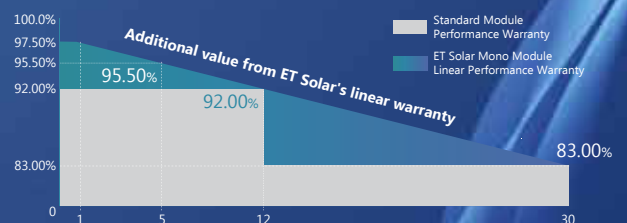
Lower operating temperature, more reliable



Cut cell, Less internal power loss, Less mismatch loss

*6BB and MBB products can be provided upon request.

LINEAR PERFORMANCE WARRANTY



IEC 61215
IEC 61730
UL 61215
UL 61730



Guarantee on product material and workmanship



linear power output warranty

ET SOLAR
support@etsolar.hk



M/ET-PD-EN-US2021V1

ELECTRICAL SPECIFICATIONS

Module Type	ET-M672BH435TW		ET-M672BH440TW		ET-M672BH445TW		ET-M672BH450TW		ET-M672BH455TW	
STC/ NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	435	324.9	440	328.6	445	332.3	450	336.1	455	339.8
Open Circuit Voltage -V _{oc} (V)	49.10	45.90	49.20	46.00	49.40	46.20	49.60	46.40	49.80	46.60
Short Circuit Current -I _{sc} (A)	11.36	9.18	11.45	9.25	11.52	9.30	11.58	9.36	11.65	9.41
Maximum Power Voltage -V _{mp} (V)	40.80	38.00	41.00	38.20	41.20	38.40	41.40	38.60	41.60	38.80
Maximum Power Current -I _{mp} (A)	10.66	8.54	10.73	8.60	10.80	8.65	10.87	8.70	10.93	8.76
Module Efficiency STC-η _m (%)	20.0%		20.2%		20.5%		20.7%		20.9%	
Power Tolerance (W)	(0, +4.99)									
Pmax Temperature Coefficient	-0.350%/°C									
Voc Temperature Coefficient	-0.290 %/°C									
Isc Temperature Coefficient	+0.048 %/°C									

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

REAR SIDE POWER GAIN (ET-M672BH445TW)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	490	512	534	556
Open Circuit Voltage -V _{oc} (V)	49.40	49.50	49.50	49.50
Short Circuit Current -I _{sc} (A)	12.67	13.24	13.82	14.40
Maximum Power Voltage -V _{mp} (V)	41.20	41.30	41.30	41.30
Maximum Power Current -I _{mp} (A)	11.88	12.42	12.96	13.50

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1038 x 35mm
Weight	24kg
Solar Cells	PERC Mono crystalline 166 x 83 mm (144pcs)
Front Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4.0 mm ² , Portrait:255mm(+)/355mm(-) Or customized
Connector	MC4 Compatible

APPLICATION CONDITIONS

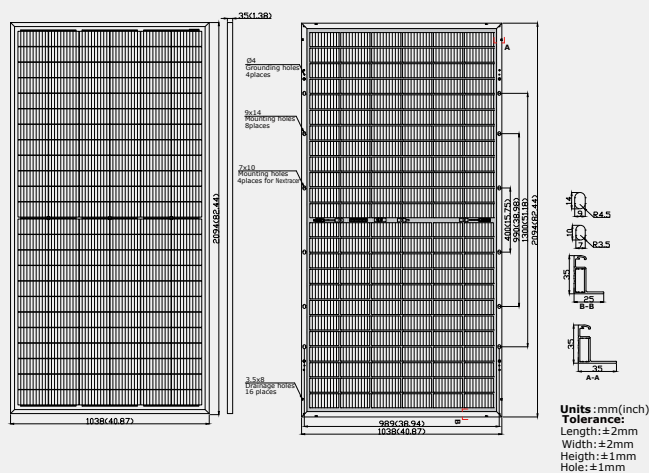
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa

PACKING MANNER

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

PHYSICAL CHARACTERISTICS

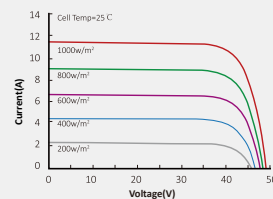
Unit:mm



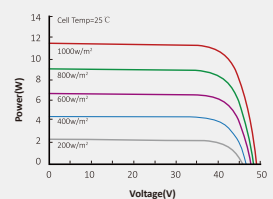
* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact ET Solar.

CURVE

Current-Voltage Curve (440W)



Power-Voltage Curve (440W)



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.