

ET-M760BHTW/TB
440W-460W

PERC BIFACIAL MODULE



High Power Generation

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



High Efficiency

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



Severe Weather Resilience

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



PID Resistance

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

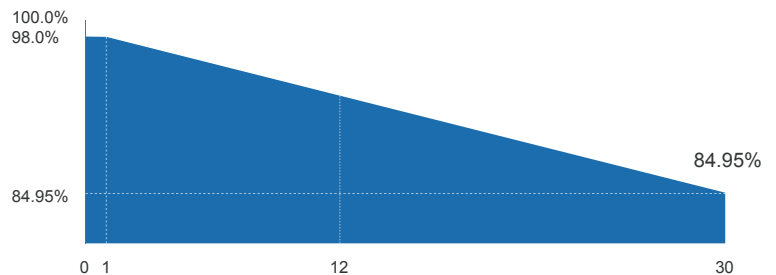


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

WARRANTY

■ Elite Solar Mono Module Linear Performance Warranty



1st year $\leq 2\%$, 2nd~30th years $\leq 0.45\%$ / year



Guarantee on product material and workmanship



Linear power output warranty

IEC61215
IEC61730
UL61215
UL61730



ELECTRICAL SPECIFICATIONS

Module Type	ET-M760BH440TW/TB		ET-M760BH445TW/TB		ET-M760BH450TW/TB		ET-M760BH455TW/TB		ET-M760BH460TW/TB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	440	330	445	334	450	338	455	342	460	346
Open Circuit Voltage -V _{oc} (V)	41.10	38.44	41.21	38.54	41.33	38.64	41.44	38.74	41.56	38.84
Short Circuit Current -I _{sc} (A)	13.69	11.29	13.77	11.36	13.85	11.43	13.94	11.50	14.03	11.56
Maximum Power Voltage -V _{mp} (V)	34.30	30.84	34.50	31.04	34.70	31.24	34.85	31.44	35.07	31.63
Maximum Power Current -I _{mp} (A)	12.83	10.70	12.90	10.76	12.97	10.82	13.06	10.88	13.12	10.94
Module Efficiency STC-η _m (%)	20.3%		20.6%		20.8%		21.0%		21.3%	
Power Tolerance (W)	0+3%									
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)									

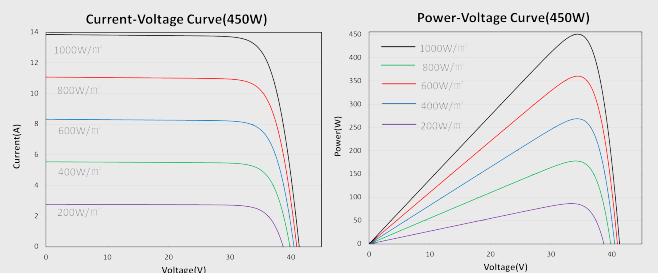
REAR SIDE POWER GAIN (ET-M760BH450TW)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	495	518	540	563
Open Circuit Voltage -V _{oc} (V)	41.33	41.33	41.33	41.33
Short Circuit Current -I _{sc} (A)	15.07	15.76	16.44	17.12
Maximum Power Voltage -V _{mp} (V)	34.70	34.70	34.70	34.70
Maximum Power Current -I _{mp} (A)	14.27	14.91	15.56	16.21

MECHANICAL SPECIFICATIONS

External Dimension	1908 x 1134 x 33mm
Weight	24kg
Solar Cells	PERC Mono crystalline 182 x 91mm (120pcs)
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:200mm(+y)400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

CURVE



APPLICATION CONDITIONS

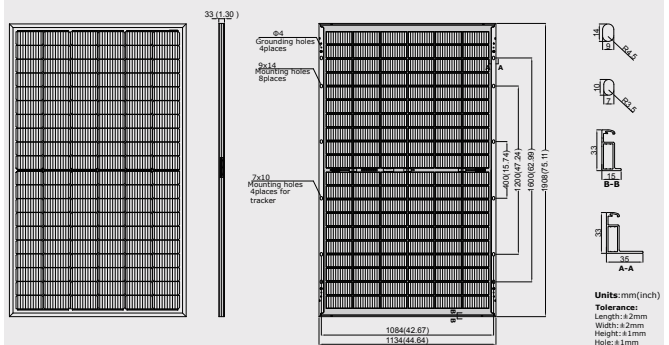
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

Container	40'HQ
Pieces per Pallet	33
Size of packing (mm)	1944*1130*1264
Weight of packing (kg)	832
Pieces per Container	792/753(NA)

PHYSICAL CHARACTERISTICS

Unit:mm



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

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 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.