

182P-Type

21.49%

Maximum Efficiency

465W

Maximum Power Output

ET-M760BHXXXTW/TB

XXX:Power Output Range 445-465W



Increased Efficiency

Increased module conversion efficiency from half-cut cell structure (low resistance characteristic, decreased mismatch loss).



Increased Power Generation

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



PID

PID Resistance

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



Severe Weather Resilience

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



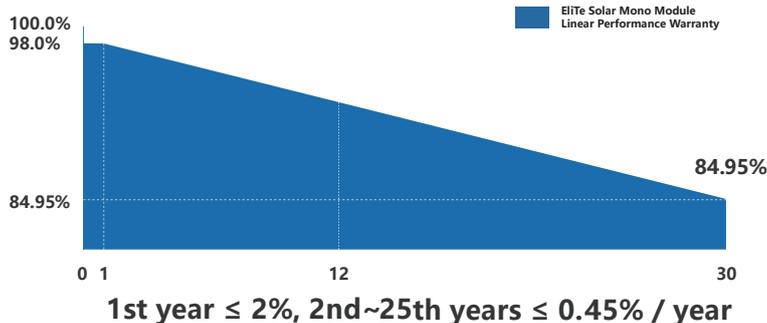
Durability Against Extreme Environmental Conditions

Exceptional durability against salt mist and ammonia exposure.



IEC61215
IEC61730
UL61215
UL61730

WARRANTY



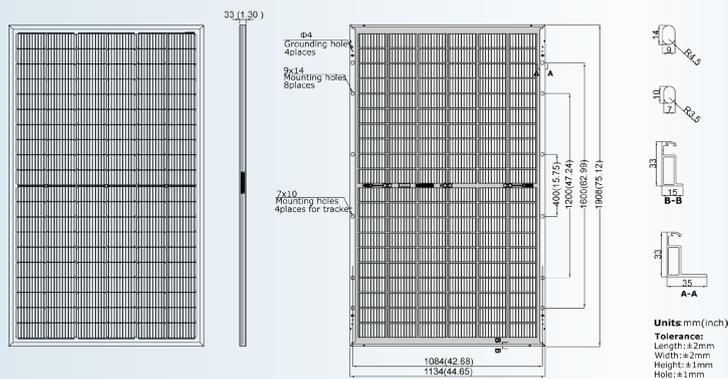
Linear power output warranty



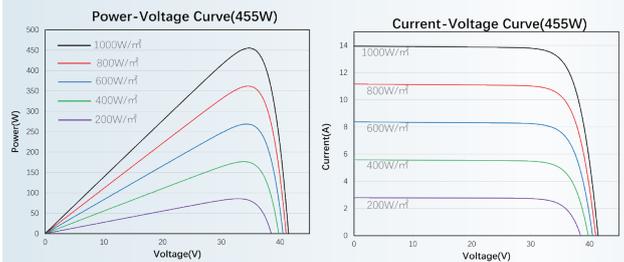
Guarantee on product material and workmanship

PHYSICAL CHARACTERISTICS

Unit:mm/inch



CURVE



ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m² 25°C. NOCT : AM1.5 800W/m² 20°C

Module Type	ET-M760BH445TW/TB	ET-M760BH450TW/TB	ET-M760BH455TW/TB	ET-M760BH460TW/TB	ET-M760BH465TW/TB
STC/NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT
Maximum Power -P _{mp} (W)	445 334	450 338	455 342	460 346	465 350
Open Circuit Voltage -V _{oc} (V)	41.21 38.54	41.33 38.64	41.44 38.74	41.56 38.84	41.65 38.94
Short Circuit Current -I _{sc} (A)	13.77 11.36	13.85 11.43	13.94 11.50	14.03 11.56	14.11 11.63
Maximum Power Voltage -V _{mp} (V)	34.50 31.04	34.70 31.24	34.85 31.44	35.07 31.63	35.26 31.83
Maximum Power Current -I _{mp} (A)	12.90 10.76	12.97 10.82	13.06 10.88	13.12 10.94	13.19 11.00
Module Efficiency STC-η _m (%)	20.57%	20.80%	21.03%	21.26%	21.49%
Power Tolerance (W)	0-+3%				
P _{max} Temperature Coefficient	-0.339%/°C				
V _{oc} Temperature Coefficient	-0.251%/°C				
I _{sc} Temperature Coefficient	+0.046%/°C				
Fire Performance	Class C(TUV)/Type 1(UL)				

REAR SIDE POWER GAIN (ET-M760BH455TW/TB)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	500.50	523.25	546	568.75
Open Circuit Voltage -V _{oc} (V)	41.44	41.44	41.44	41.44
Short Circuit Current -I _{sc} (A)	15.17	15.86	16.55	17.24
Maximum Power Voltage -V _{mp} (V)	34.85	34.85	34.85	34.85
Maximum Power Current -I _{mp} (A)	14.37	15.01	15.67	16.33

MECHANICAL SPECIFICATIONS

External Dimension	1908 x 1134 x 33mm 75.12 x 44.65 x 1.3inch
Weight	24.0kg/52.91lbs
Solar Cells	P-Type Mono-crystalline(120pcs)
Front Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length	4.0 mm ² (12AWG), Portrait: 200mm(+)/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	33
Size of packing (mm/inch)	1944*1130*1264/76.54*44.49*49.76
Weight of packing (kg/lbs)	832/1834.25
Pieces per Container (Normal/Weight-limited area)	792/753

Please contact info@elite-solar.com for technical support. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.