

182P-Type

## 21.51%

Maximum Efficiency

## 420W

Maximum Power Output

## ET-M754BHXXTW/TB

XXX:Power Output Range 400-420W



### 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 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).



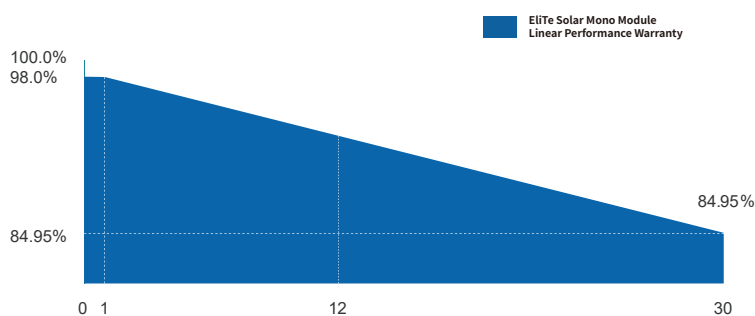
### Durability Against Extreme Environmental Conditions

Exceptional durability against salt mist and ammonia exposure.



IEC61215  
IEC61730  
UL61215  
UL61730

## WARRANTY



1st year ≤ 2%, 2nd~30th years ≤ 0.45% / year



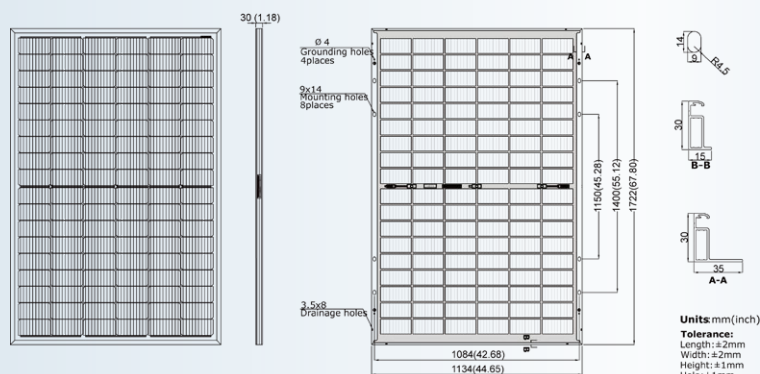
Linear power output warranty



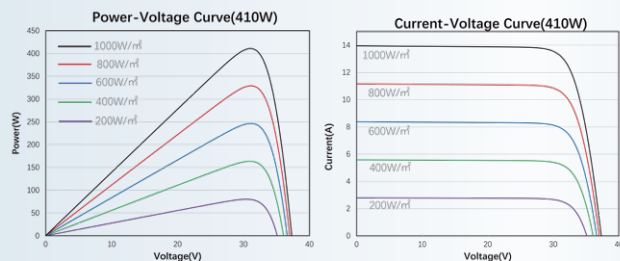
Guarantee on product material and workmanship

## PHYSICAL CHARACTERISTICS

Unit:mm/inch



## CURVE



## ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m<sup>2</sup> 25°C, NOCT : AM1.5 800W/m<sup>2</sup> 20°C 1m/s.

Module Type	ET-M754BH400TW/TB		ET-M754BH405TW/TB		ET-M754BH410TW/TB		ET-M754BH415TW/TB		ET-M754BH420TW/TB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P <sub>mp</sub> (W)	400	302	405	306	410	310	415	314	420	318
Open Circuit Voltage -V <sub>oc</sub> (V)	37.07	34.88	37.23	35.02	37.32	35.23	37.45	35.37	37.58	35.51
Short Circuit Current -I <sub>sc</sub> (A)	13.79	11.03	13.87	11.10	13.95	11.16	14.02	11.22	14.10	11.29
Maximum Power Voltage -V <sub>mp</sub> (V)	31.01	29.27	31.21	29.48	31.45	29.70	31.61	29.91	31.80	30.12
Maximum Power Current -I <sub>mp</sub> (A)	12.90	10.32	12.98	10.38	13.04	10.44	13.13	10.50	13.21	10.56
Module Efficiency STC-η <sub>m</sub> (%)	20.48%		20.74%		21.00%		21.25%		21.51%	
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(TUV)/Type 1(UL)									

## REAR SIDE POWER GAIN (ET-M754BH410TW)

Power Gain	10%	15%	20%	25%
Maximum Power -P <sub>mp</sub> (W)	451	471.5	492	512.5
Open Circuit Voltage -V <sub>oc</sub> (V)	37.32	37.32	37.32	37.32
Short Circuit Current -I <sub>sc</sub> (A)	15.17	15.87	16.56	17.25
Maximum Power Voltage -V <sub>mp</sub> (V)	31.45	31.45	31.45	31.45
Maximum Power Current -I <sub>mp</sub> (A)	14.34	15.01	15.65	16.31

## MECHANICAL SPECIFICATIONS

External Dimension	1722 x 1134 x 30mm 67.80 x 44.65 x 1.18inch
Weight	21.5kg/47.40lbs
Solar Cells	P-Type Mono-crystalline(108pcs)
Front Glass	3.2mm(0.13inch)
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length	4.0 mm <sup>2</sup> (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	36
Size of packing (mm/inch)	1760*1130*1264/69.29*44.49*49.76
Weight of packing (kg/lbs)	813/1792.36
Pieces per Container (Normal/Weight-limited area)	936/838

Please contact [info@elite-solar.com](mailto: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.