

182P-Type

21.69%

Maximum Efficiency

515W

Maximum Power Output

ET-M766BHXXXWW/WB

XXX:Power Output Range 495-515W



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).



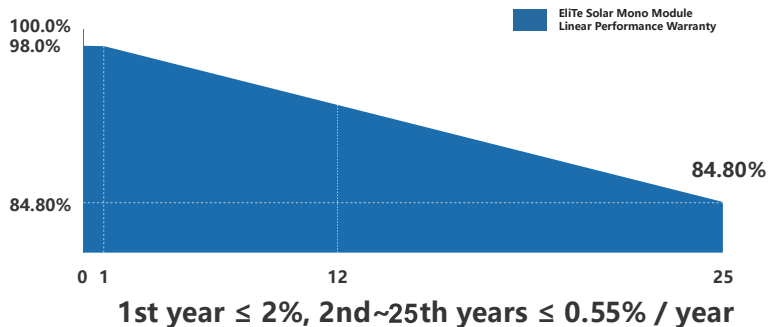
Durability Against Extreme Environmental Conditions

Exceptional durability against salt mist and ammonia exposure.



IEC61215
IEC61730
UL61215
UL61730

WARRANTY



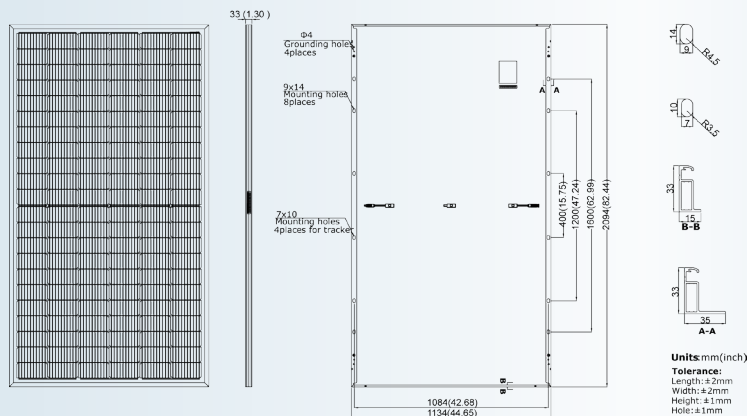
Linear power
output warranty



Guarantee on product
material and workmanship

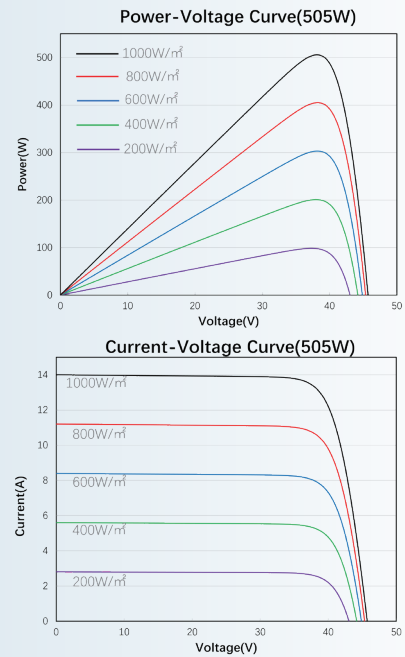
PHYSICAL CHARACTERISTICS

Unit:mm/inch



Units:mm(inch)
Tolerance:
Length: ±2mm
Width: ±2mm
Height: ±1mm
Hole: ±1mm

CURVE



ELECTRICAL SPECIFICATIONS

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

Module Type	ET-M766BH495WW/WB		ET-M766BH500WW/WB		ET-M766BH505WW/WB		ET-M766BH510WW/WB		ET-M766BH515WW/WB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	495	374	500	378	505	382	510	386	515	390
Open Circuit Voltage -V _{oc} (V)	45.46	42.56	45.59	42.69	45.72	42.82	45.85	42.95	45.98	43.08
Short Circuit Current -I _{sc} (A)	13.86	11.19	13.93	11.26	14.00	11.33	14.07	11.40	14.13	11.47
Maximum Power Voltage -V _{mp} (V)	38.17	35.83	38.35	35.90	38.53	35.97	38.71	36.05	38.87	36.13
Maximum Power Current -I _{mp} (A)	12.97	10.44	13.04	10.53	13.11	10.62	13.18	10.71	13.25	10.80
Module Efficiency STC-η _m (%)	20.85%		21.06%		21.27%		21.48%		21.69%	
Power Tolerance (W)					0-+3%					
Pmax Temperature Coefficient					-0.340%/°C					
Voc Temperature Coefficient					-0.263%/°C					
Isc Temperature Coefficient					+0.054%/°C					
Fire Performance	Class C(TUV)/Type 1(UL)									

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 33mm 82.44 x 44.65 x 1.3inch
Weight	26.0kg/47.40lbs
Solar Cells	P-Type Mono-crystalline(132pcs)
Front Glass	3.2mm/0.126inch
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length	4.0 mm ² (12AWG), Portrait: 200mm(+)/400mm(-); 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/2400Pa

PACKING MANNER

Container	40' HQ
Pieces per Pallet	33
Size of packing (mm/inch)	2130*1130*1264/83.86*44.49*49.76
Weight of packing (kg/lbs)	899/1981.96
Pieces per Container (Normal/Weight-limited area)	726/693

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.