

182P-Type

21.27%

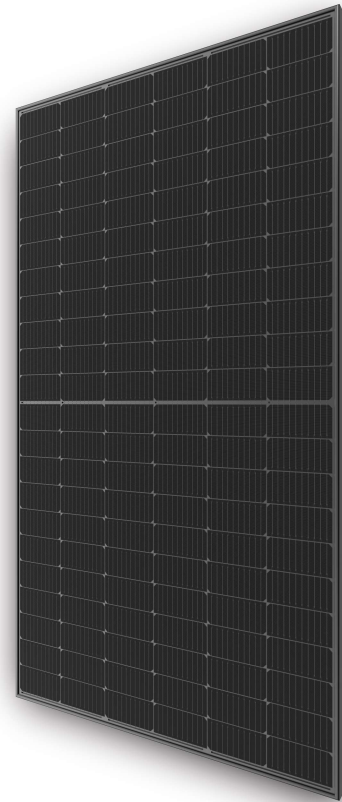
Maximum Efficiency

505W

Maximum Power Output

ET-M766BHXXXBB

XXX:Power Output Range 485-505W



Modern Appearance

Sleek black design crafted for enhanced aesthetics and seamless integration into buildings



Severe Weather Resilience

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



Increased Efficiency

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



Durability Against Extreme Environmental Conditions

Exceptional durability against salt mist and ammonia exposure.



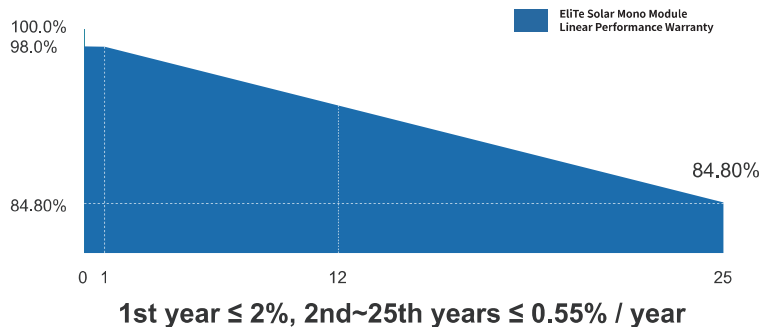
PID Resistance

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



IEC61215
IEC61730
UL61215
UL61730

WARRANTY



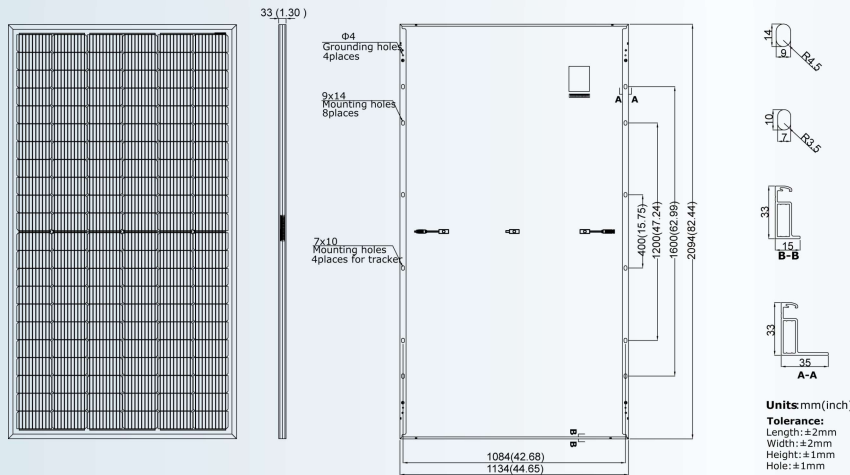
Linear power
output warranty



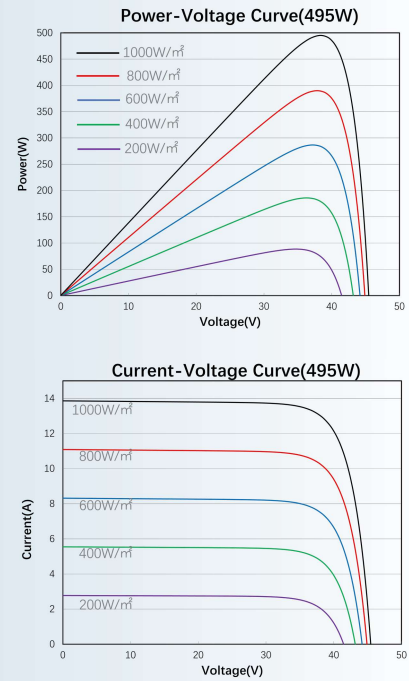
Guarantee on product
material and workmanship

PHYSICAL CHARACTERISTICS

Unit:mm/inch



CURVE



ELECTRICAL SPECIFICATIONS

STC : AM1.5 1000W/m² 25°C. NOCT : AM1.5 800W/m² 20°C 1m/s.

Module Type	ET-M766BH485BB		ET-M766BH490BB		ET-M766BH495BB		ET-M766BH500BB		ET-M766BH505BB	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	485	367	490	370	495	374	500	378	505	382
Open Circuit Voltage -V _{oc} (V)	45.20	42.30	45.33	42.43	45.46	42.56	45.59	42.69	45.72	42.82
Short Circuit Current -I _{sc} (A)	13.72	11.06	13.79	11.13	13.86	11.19	13.93	11.26	14.00	11.33
Maximum Power Voltage -V _{mp} (V)	37.81	35.67	37.99	35.76	38.17	35.83	38.35	35.90	38.53	35.97
Maximum Power Current -I _{mp} (A)	12.83	10.28	12.90	10.36	12.97	10.44	13.04	10.53	13.11	10.62
Module Efficiency STC-η _m (%)	20.42%		20.64%		20.85%		21.06%		21.27%	
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	2094x 1134 x 33mm 82.44 x 44.65 x 1.30inch
Weight	26kg/57.32lbs
Solar Cells	P-Type Mono-crystalline(132pcs)
Front Glass	3.2mm(0.13inch)
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.