

182P-Type

21.48%

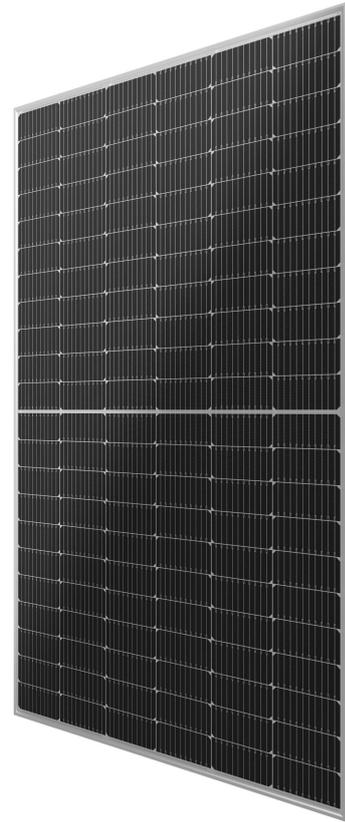
Maximum Efficiency

510W

Maximum Power Output

ET-M766BHXXXGL

XXX:Power Output Range 490-510W



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).



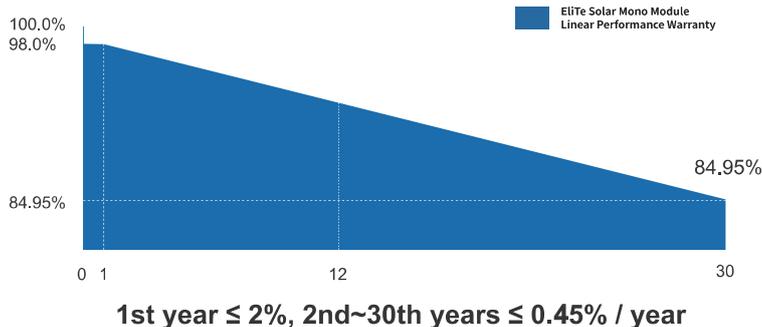
Durability Against Extreme Environmental Conditions

Exceptional durability against salt mist and ammonia exposure.



IEC61215
IEC61730
UL61215
UL61730

WARRANTY



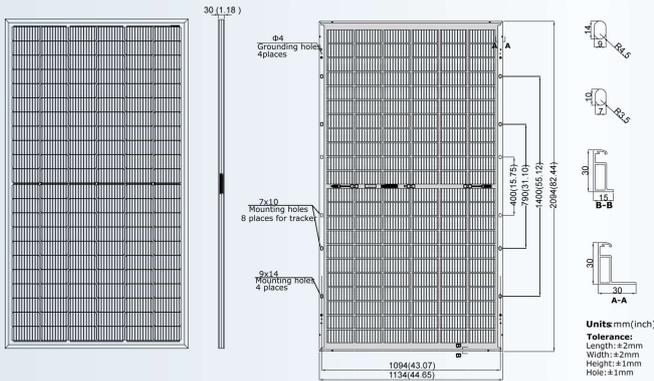
Linear power output warranty



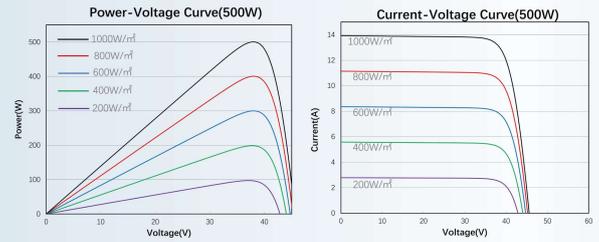
Guarantee on product material and workmanship

PHYSICAL CHARACTERISTICS

Unit:mm/inch



CURVE



ELECTRICAL SPECIFICATIONS

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

Module Type	ET-M766BH490GL		ET-M766BH495GL		ET-M766BH500GL		ET-M766BH505GL		ET-M766BH510GL	
	STC	NOCT								
Maximum Power -P _{mp} (W)	490	370	495	374	500	378	505	382	510	386
Open Circuit Voltage -V _{oc} (V)	45.33	42.43	45.46	42.56	45.59	42.69	45.72	42.82	45.85	42.95
Short Circuit Current -I _{sc} (A)	13.79	11.13	13.86	11.19	13.93	11.26	14.00	11.33	14.07	11.40
Maximum Power Voltage -V _{mp} (V)	37.99	35.76	38.17	35.83	38.35	35.90	38.53	35.97	38.71	36.05
Maximum Power Current -I _{mp} (A)	12.90	10.36	12.97	10.44	13.04	10.53	13.11	10.62	13.18	10.71
Module Efficiency STC-η _m (%)	20.64%		20.85%		21.06%		21.27%		21.48%	
Power Tolerance (W)	0-+3%									
Pmax Temperature Coefficient	-0.360%/°C									
Voc Temperature Coefficient	-0.292%/°C									
Isc Temperature Coefficient	+0.044%/°C									
Fire Performance	Type 29(UL)									

REAR SIDE POWER GAIN (ET-M766BH500GL)

Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	550	575	600	625
Open Circuit Voltage -V _{oc} (V)	45.59	45.59	45.59	45.59
Short Circuit Current -I _{sc} (A)	15.15	15.85	16.54	17.22
Maximum Power Voltage -V _{mp} (V)	38.35	38.35	38.35	38.35
Maximum Power Current -I _{mp} (A)	14.34	14.99	15.65	16.30

MECHANICAL SPECIFICATIONS

External Dimension	2094x 1134 x 30mm 82.44 x 44.65 x 1.18inch
Weight	29kg/63.93lbs
Solar Cells	P-Type Mono-crystalline(132pcs)
Front Glass/Back Glass	2.0mm/2.0mm(0.08inch)
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	36
Size of packing (mm/inch)	2130*1130*1264/83.86*44.49*49.76
Weight of packing (kg/lbs)	1085/2392.02
Pieces per Container (Normal/Weight-limited area)	792/612

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.