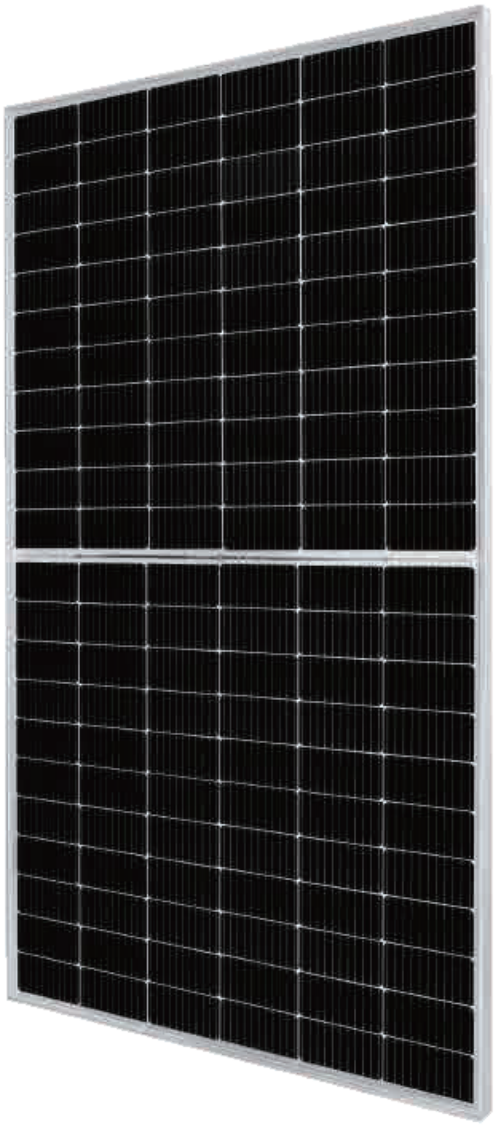
EliTe Solar

M/ET-PD-EN2024V2

info@elite-solar.com



ET-M766BHGL

485W-505W

PERC BIFACIAL MODULE

Increased Power Generation
Bifacial technology enables additional energy harvesting from rear side (up to 25%).

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

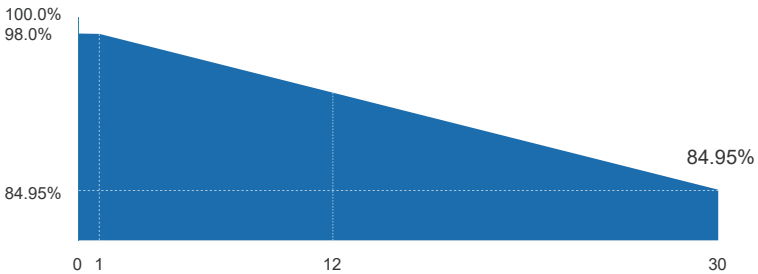
Severe Weather Resilience
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

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

Durability Against Extreme Environmental Conditions
Exceptional durability against salt mist and ammonia exposure.

WARRANTY

EliTe Solar Mono Module
Linear Performance Warranty



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

12 YEARS — Guarantee on product material and workmanship

30 YEARS — Linear power output warranty

IEC61215
IEC61730
UL61215
UL61730

ELECTRICAL SPECIFICATIONS

Module Type	ET-M766BH485GL		ET-M766BH490GL		ET-M766BH495GL		ET-M766BH500GL		ET-M766BH505GL	
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	42.58	45.59	42.72	45.72	42.86
Short Circuit Current -I_{sc} (A)	13.72	11.06	13.79	11.13	13.86	11.20	13.93	11.27	14.00	11.34
Maximum Power Voltage -V_{mp} (V)	37.81	35.67	37.99	35.76	38.17	35.84	38.35	35.93	38.53	36.02
Maximum Power Current -I_{mp} (A)	12.83	10.28	12.90	10.36	12.97	10.44	13.04	10.52	13.11	10.60
Module Efficiency STC-η_m (%)	20.4%		20.6%		20.8%		21.1%		21.3%	
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)									

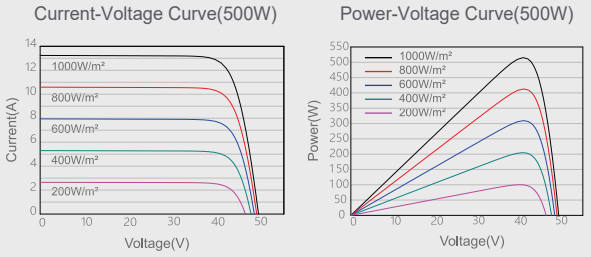
REAR SIDE POWER GAIN (ET-M766BH500GL)

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)	15.21	15.90	16.59	17.28
Maximum Power Voltage -V_{mp} (V)	38.35	38.35	38.35	38.35
Maximum Power Current -I_{mp} (A)	14.35	15.00	15.65	16.30

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 30mm
Weight	29kg
Solar Cells	PERC Mono crystalline 182 x 91 mm (132pcs)
Front Glass/Back Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm²(12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	70%±10%

CURVE



APPLICATION CONDITIONS

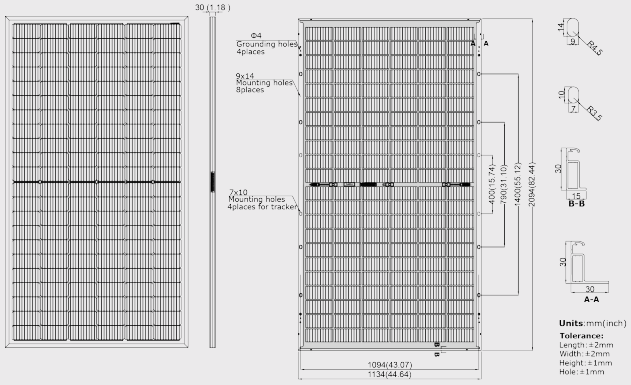
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

PACKING MANNER

Container	40'HQ
Pieces per Pallet	36
Size of packing (mm)	2130*1130*1264
Weight of packing (kg)	1085
Pieces per Container	792/612(NA)

PHYSICAL CHARACTERISTICS

Unit:mm



* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact EliTe Solar.

Note: The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.
Please contact info@elite-solar.com for technical support. The actual transactions will be subject to the contracts. This parameter is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.