

M/ET-PD-EN2023V2 info@elite-solar.com

ET-M766BHGL 485W-505W

PERC BIFACIAL MODULE



High Power Generation

Bifacial technology enables additional energy harvesting from rear side(up to 25%)



High Efficiency

Higher module conversion efficiency benefit from half-cut cell structure (low resistance characteristic, less mismatch loss).



Severe Weather Resilience

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



PID Resistance

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

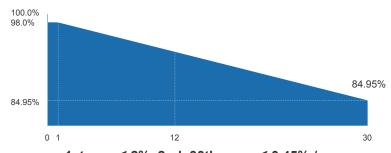


Durability Against Extreme
Environmental Conditions
High salt mist, ammonia resistance
and excellent fire resistance.



WARRANTY

EliTe Solar Mono Module
Linear Performance Warranty



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



Guarantee on product material and workmanship



Linear power output warranty









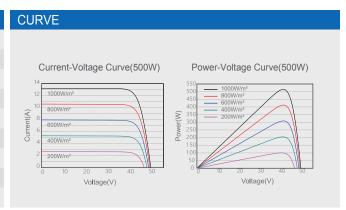




ETECTRICAL SPECIFICATIONS											
Module Type	ET-M766BH485GL		ET-M76	ET-M766BH490GL		ET-M766BH495GL		ET-M766BH500GL		ET-M766BH505GL	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power -P _{mp} (W)	485	367	490	370	495	374	500	378	505	382	
Open Circuit Voltage -Voc (V)	45.20	42.30	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	4%/°C					
Fire Performance					Type 2	29(UL)					

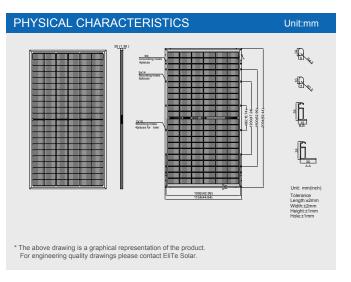
REAR SIDE POWER GAIN (ET-M766BH500GL)				
Power Gain	10%	15%	20%	25%
Maximum Power -P mp (W)	550	575	600	625
Open Circuit Voltage -V oc (V)	45.59	45.59	45.59	45.59
Short Circuit Current -I ₅c (A)	15.21	15.90	16.59	17.28
Maximum Power Voltage -V mp (V)	38.35	38.35	38.35	38.35
Maximum Power Current -I mp (A)	14.35	15.00	15.65	16.30

MECHANICAL SPECIFICATIONS				
External Dimension	2094 x 1134 x 35mm			
Weight	29kg			
Solar Cells	PERC Mono crystalline 182 x 91 mm (132pcs)			
Front Glass/Black Gla	ss 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%			



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	31
Size of packing (mm)	2130*1130*1264
Weight of packing (kg)	940
Pieces per Container	682/620(NA)



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.