

M/ET-PD-EN2024V2 info@elite-solar.com

ET-N772TBHGL 570W-590W

N-Type BIFACIAL MODULE



Advanced Technology

N-Type M10 wafer, TOPCon solar cells, high-density interconnect technology.



Increased Performance

Well-suited for use in environments characterized by high reflectivity, elevated temperatures, scarce land availability, and substantial labor expenses.



Increased Power Generation

Lower degradation, increased bifaciality, and lower temperature coefficient improves energy yields.



Increased Value

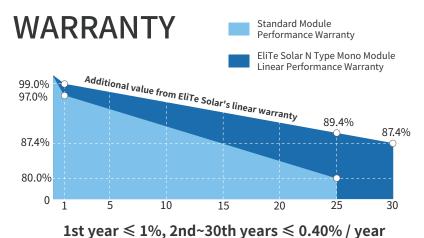
Increased efficiency results in decreased LCOE and BOS costs.



Severe Weather Resilience

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









Linear power output warranty







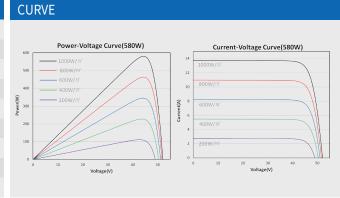




ELECTRICAL SPECIFICATIONS										
Module Type	ET-N772	TBH570GL	ET-N772	TBH575GL	ET-N772	2TBH580GL	ET-N772	TBH585GL	ET-N772	TBH590GL
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	570	429	575	432	580	436	585	440	590	444
Open Circuit Voltage -V oc (V)	51.68	49.10	51.88	49.29	52.08	49.48	52.28	49.67	52.48	49.86
Short Circuit Current -I _{sc} (A)	13.62	10.99	13.67	11.03	13.72	11.07	13.76	11.10	13.81	11.14
Maximum Power Voltage -V mp (V)	44.38	41.78	44.55	41.92	44.72	42.09	44.90	42.26	45.08	42.42
Maximum Power Current -I mp (A)	12.85	10.27	12.91	10.31	12.97	10.36	13.03	10.41	13.09	10.47
Module Efficiency STC- η_m (%)	22.1% 22.3%		22.5%		22.6%		22	22.8%		
Power Tolerance (W)					0-+3	3%				
Pmax Temperature Coefficient	efficient -0.30%/°C									
Voc Temperature Coefficient	ure Coefficient -0.22%/°C									
Isc Temperature Coefficient	+0.042%/°C									
Fire Performance	Type 29(UL)									

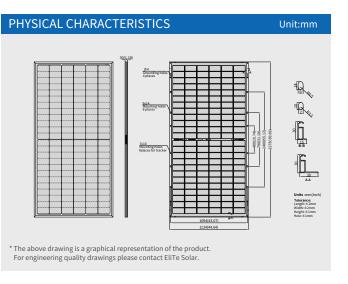
REAR SIDE POWER GAIN (ET-N772TBH580GL)				
Power Gain	10%	15%	20%	25%
Maximum Power -P _{mp} (W)	638	667	696	725
Open Circuit Voltage -V oc (V)	52.08	52.08	52.08	52.08
Short Circuit Current -I _{sc} (A)	14.96	15.65	16.33	17.01
Maximum Power Voltage -V mp (V)	44.72	44.72	44.72	44.72
Maximum Power Current -I _{mp} (A)	14.27	14.92	15.57	16.22

MECHANICAL SPECIFICATIONS				
External Dimensio	n 2278 x 1134 x 30mm			
Weight	32kg			
Solar Cells	N Type 182 x 91 mm (144pcs)			
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*	80%±10%			



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

PACKING MANNER	
Container	40' HQ
Pieces per Pallet	36
Size of packing (mm)	2300*1130*1264
Weight of packing (kg)	1195
Pieces per Container	720/576(NA)



Note: The specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m^2 solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m^2 , 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.