



*Black frame product can be provided upon request.



ELECTRICAL SPECIFICATIONS (STC)

TYPE	TG-36MH-310	
Rated Maximum Power (Pmax)	W	310
Voltage at Pmax (Vmp)	V	32.90
Current at Pmax (Imp)	A	9.43
Open circuit Voltage (Voc)	V	40.20
Short circuit Current (Isc)	A	9.83
Module Efficiency	%	19.05
Power tolerance	W	-0 ~+5

ELECTRICAL SPECIFICATIONS (NOCT)

TYPE	TG-36MH-310	
Rated Maximum Power (Pmax)	W	231
Voltage at Pmax (Vmp)	V	30.70
Current at Pmax (Imp)	A	7.53
Open circuit Voltage (Voc)	V	37.40
Short circuit Current (Isc)	A	8.03

TEMPERATURE COEFFICIENTS

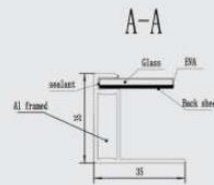
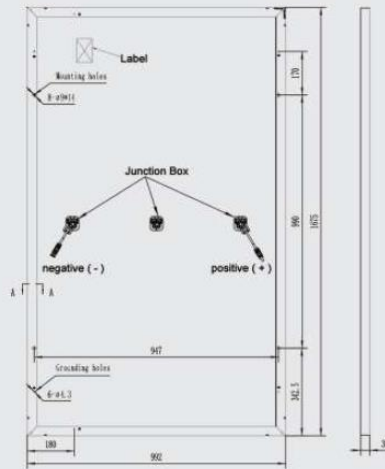
Normal operating cell temperature	NOCT	45°C+ / -2°C
Temperature coefficient of Pmax	γ	-0.410%/°C
Temperature coefficient of Voc	β_{Voc}	-0.330%/°C
Temperature coefficient of Isc	α_{Isc}	+0.059%/°C

MECHANICAL SPECIFICATIONS

Dimensions	1675mm / 992mm / 35mm
Weight	18.59Kg
Area	1.66 m ²

TEST OPERATING CONDITIONS

Operating Temperature	-40°C ~ +85°C
Maximum Load capacity	5400Pa (Snow Loads) 2400Pa (Wind Loads) ≥ IP67
Junction box Ingress Protection	
Hail Test	25mm (ice-ball diameter) 23m/s (test velocity)
Maximum System Voltage	1500 V _{oc}
Maximum Series Fuse	15A



- Structure parameters are entitled to have slight discrepancies according to the different suppliers appointed by the customers.
- STC: Irradiance: 1000 W/m², module temperature 25 °C, AM=1.5
- NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s



Reliable long-term operation

As tested and verified by the third party authority, PV modules by Tiger Solar is certified to withstand harsh environment and with high resistance to PID.

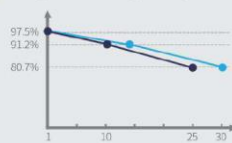


Stable and reliable safety guarantee

25 years maintenance free reinforced insulation to prevent the personnel injury



Linear guarantee of stable power output



- 0~+5W power tolerance
- 10-year product warranty
- 25-year linear performance warranty for standard PV module
- 30-year linear performance warranty for Glass-Glass PV module



Overall Guarantee of electricity generation

Fine criteria in raw material procurement
Highly automated and stable production process
Strict Product Quality Control and test



Outstanding mechanical properties

- Snow loads: 5400 Pa
- Wind loads: 2400 Pa



Quality Guaranteed by Strict Certification Systems

ISO9001 ISO14001 OHSAS45001
IEC61215 IEC61730 IEC62804

