



ELECTRICAL SPECIFICATIONS (STC)								
TYPE		TGM5-72 -350	TGM5-72 -355	TGM5-72 -360	TGM5-72 -365	TGM5-72 -370	TGM5-72 -375	TGM5-72 -380
Rated Maximum Power (Pmax)	W	350	355	360	365	370	375	380
Voltage at Pmax (Vmp)	V	38.70	38.80	39.00	39.30	39.70	40.00	40.3
Current at Pmax (Imp)	A	9.04	9.14	9.24	9.30	9.33	9.37	9.43
Open circuit Voltage (Voc)	V	47.00	47.40	47.70	48.00	48.30	48.50	48.8
Short circuit Current (Isc)	A	9.60	9.65	9.70	9.77	9.83	9.88	9.94
Module Efficiency	%	18.04	18.30	18.55	18.81	19.07	19.33	19.5
Power tolerance	W	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	0 ~ +5

ELECTRICAL SPECIFICATIONS (NOCT)								
TYPE		TGM5-72 -350	TGM5-72 -355	TGM5-72 -360	TGM5-72 -365	TGM5-72 -370	TGM5-72 -375	TGM5-72 -380
Rated Maximum Power (Pmax)	W	261	264	268	272	276	279	283
Voltage at Pmax (Vmp)	V	35.90	36.00	36.20	36.40	36.80	37.10	37.2
Current at Pmax (Imp)	A	7.26	7.34	7.42	7.47	7.50	7.53	7.6
Open circuit Voltage (Voc)	V	43.70	44.10	44.30	44.60	44.90	45.10	45.3
Short circuit Current (Isc)	A	7.75	7.79	7.83	7.89	7.94	7.98	8.03

### TEMPERATURE COEFFICIENTS

Normal operating cell temperature	NOCT	45°C+ / -2°C
Temperature coefficient of Pmax	$\gamma$	-0.410%/°C
Temperature coefficient of Voc	$\beta_{Voc}$	-0.330%/°C
Temperature coefficient of Isc	$\alpha_{Isc}$	+0.059%/°C

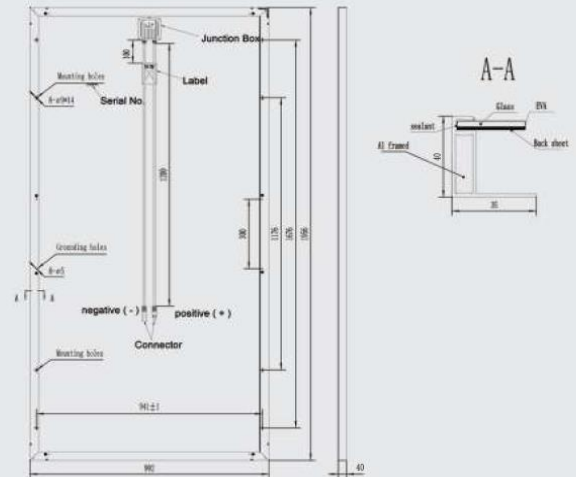
### MECHANICAL SPECIFICATIONS

Dimensions	1957mm / 992mm / 40mm(or 35mm)
Weight	22Kg
Area	1.94 m <sup>2</sup>



### TEST OPERATING CONDITIONS

Operating Temperature	-40°C ~ +85°C
Maximum Load capacity	5400Pa(Snow Loads) 2400Pa(Wind Loads)
Junction box Ingress Protection	≥ IP67
Hail Test	25mm(ice-ball diameter) 23m/s(Test velocity)
Maximum System Voltage	1500 Vdc
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/m<sup>2</sup>, module temperature 25 °C, AM=1.5
- NOCT: Irradiance 800 W/m<sup>2</sup>, 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.

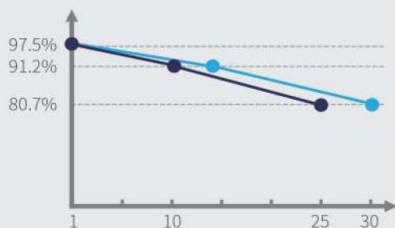


### Stable and reliable safety guarantee

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



### 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