



ELECTRICAL SPECIFICATIONS (STC)

TYPE		TGP5-72 -310	TGP5-72 -315	TGP5-72 -320	TGP5-72 -325	TGP5-72 -330	TGP5-72 -335
Rated Maximum Power (Pmax)	W	310	315	320	325	330	335
Voltage at Pmax (Vmp)	V	37.00	37.10	37.10	37.20	37.40	37.60
Current at Pmax (Imp)	A	8.38	8.50	8.63	8.73	8.83	8.91
Open circuit Voltage (Voc)	V	45.20	45.30	45.50	45.60	45.80	46.00
Short circuit Current (Isc)	A	9.06	9.08	9.15	9.19	9.28	9.35
Module Efficiency	%	15.98	16.23	16.49	16.75	17.01	17.26
Power tolerance	W	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5

ELECTRICAL SPECIFICATIONS (NOCT)

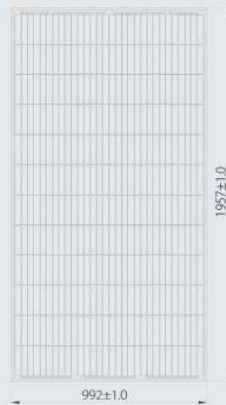
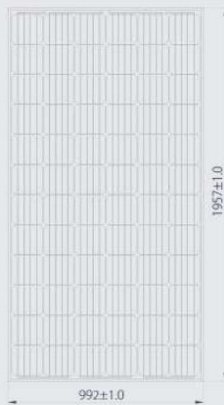
TYPE		TGP5-72 -310	TGP5-72 -315	TGP5-72 -320	TGP5-72 -325	TGP5-72 -330	TGP5-72 -335
Rated Maximum Power (Pmax)	W	230	234	237	241	245	249
Voltage at Pmax (Vmp)	V	34.20	34.30	34.30	34.40	34.60	34.80
Current at Pmax (Imp)	A	6.72	6.82	6.92	7.00	7.08	7.14
Open circuit Voltage (Voc)	V	41.90	42.00	42.10	42.20	42.40	42.60
Short circuit Current (Isc)	A	7.31	7.33	7.39	7.42	7.49	7.55

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	β_{Isc}	+0.059%/°C

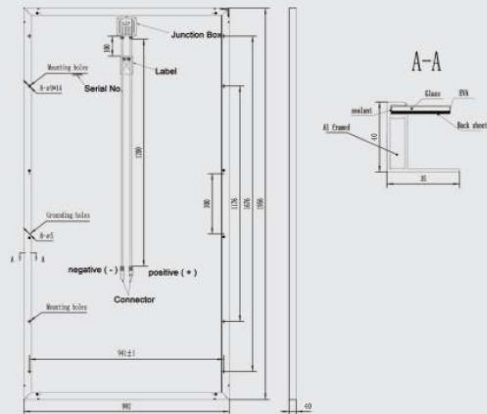
MECHANICAL SPECIFICATIONS

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



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

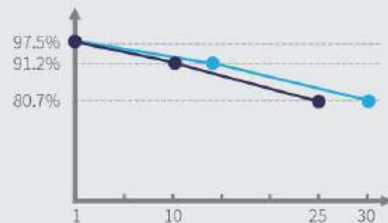


- Structure parameters are entitled to have slight discrepancies according to the different suppliers appointed by the customers.
- STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5
- NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s

by Tiger Solar is certified to withstand harsh environment and with high resistance to PID.

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

