

*Black frame product can be provided upon request.



ELECTRICAL SPECIFICATIONS (STC)							
TYPE		TG-16MF -290	TG-16MF -295	TG-16MF -300	TG-16MF -305	TG-16MF -310	TG-16MF -315
Rated Maximum Power (Pmax)	W	290	295	300	305	310	315
Voltage at Pmax (Vmp)	V	32.20	32.50	32.60	32.90	33.10	33.30
Current at Pmax (Imp)	A	9.01	9.08	9.19	9.28	9.37	9.46
Open circuit Voltage (Voc)	V	38.90	39.60	39.80	40.00	40.20	40.50
Short circuit Current (Isc)	A	9.66	9.68	9.77	9.85	9.94	10.03
Module Efficiency	%	17.83	18.13	18.44	18.75	19.05	19.36
Power tolerance	W	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5	-0 ~ +5

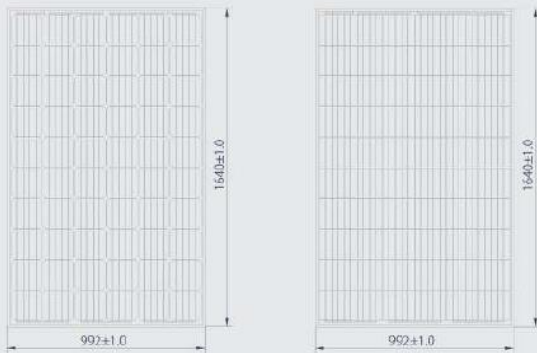
ELECTRICAL SPECIFICATIONS (NOCT)							
TYPE		TG-16MF -290	TG-16MF -295	TG-16MF -300	TG-16MF -305	TG-16MF -310	TG-16MF -315
Rated Maximum Power (Pmax)	W	216	220	223	227	231	235
Voltage at Pmax (Vmp)	V	29.90	30.10	30.20	30.50	30.70	30.90
Current at Pmax (Imp)	A	7.24	7.30	7.38	7.46	7.53	7.60
Open circuit Voltage (Voc)	V	36.20	36.80	37.00	37.20	37.40	37.60
Short circuit Current (Isc)	A	7.80	7.82	7.89	7.95	8.03	8.10

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

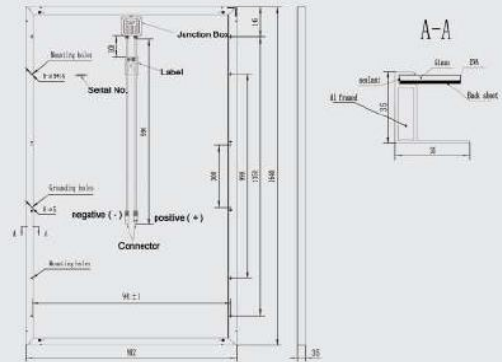
MECHANICAL SPECIFICATIONS

Dimensions	1640mm / 992mm / 35mm (or 40mm)
Weight	18.0Kg / 18.2Kg
Area	1.63 m ²



TEST OPERATING CONDITIONS

Operating Temperature	-40°C ~ +85°C
Maximum Load capacity	5400Pa (Snow Load) 2400Pa (Wind Load)
Junction box Ingress Protection	≥ IP67
Hail Test	25mm (Ice Ball diameter) 23m/s (Test velocity)
Maximum System Voltage	1500 Vdc
Maximum Series Fuse	15A



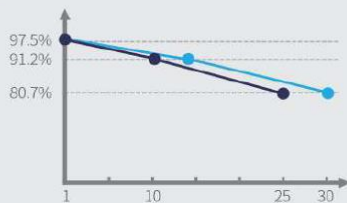
Structure parameters are entitled to have slight discrepancies according to the different suppliers appointed by the customers.

- STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5
- NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, windspeed 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.

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

Stable and reliable safety guarantee

- 25 years maintenance free
- reinforced insulation to prevent the personnel injury

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

