

# Tiger Premium AS-6P 325W~355W POLYCRYSTALLINE MODULE

## ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 18.30% through innovative five busbar cell technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 3600Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

## CERTIFICATIONS

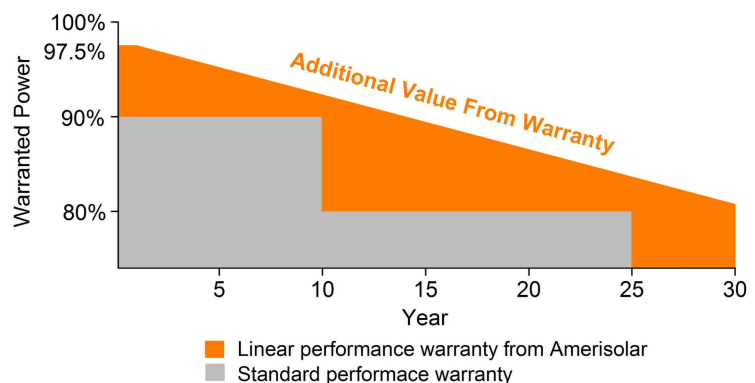
- IEC 61215, IEC 61730, UL 1703, IEC 62716, IEC 61701, IEC TS 62804, CE, CQC, ETL(USA), JET(Japan), J-PEC(Japan), KS(South Korea), BIS(India), MCS(UK), CEC(Australia), CSI Eligible(CA-USA), Israel Electric(Israel), InMetro(Brazil), TSE(Turkey)
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system

## SPECIAL WARRANTY

- 20 years product warranty
- 30 years linear power output warranty



**Passionately**  
**committed to**  
**delivering innovative**  
**energy solution**



## ELECTRICAL CHARACTERISTICS AT STC

Maximum Power ( $P_{max}$ )	325W	330W	335W	340W	345W	350W	355W
Open Circuit Voltage ( $V_{oc}$ )	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V	46.9V
Short Circuit Current ( $I_{sc}$ )	9.28A	9.36A	9.44A	9.52A	9.60A	9.68A	9.76A
Voltage at Maximum Power ( $V_{mp}$ )	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V	38.3V
Current at Maximum Power ( $I_{mp}$ )	8.77A	8.85A	8.94A	9.02A	9.11A	9.19A	9.27A
Module Efficiency (%)	16.75	17.01	17.26	17.52	17.78	18.04	18.30
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC/1500V DC						
Fire Resistance Rating	Type 1(in accordance with UL 1703)/Class C(IEC 61730)						
Maximum Series Fuse Rating	15A						

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5; Tolerance of P<sub>max</sub>: ±3%; Measurement Tolerance: ±3%

## ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power ( $P_{max}$ )	241W	244W	248W	252W	256W	259W	263W
Open Circuit Voltage ( $V_{oc}$ )	42.0V	42.2V	42.4V	42.6V	42.8V	43.0V	43.2V
Short Circuit Current ( $I_{sc}$ )	7.52A	7.58A	7.65A	7.71A	7.78A	7.84A	7.91A
Voltage at Maximum Power ( $V_{mp}$ )	33.7V	33.9V	34.1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power ( $I_{mp}$ )	7.16A	7.20A	7.28A	7.35A	7.42A	7.47A	7.54A

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1 m/s

## MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 6inch
Number of cells	72 (6x12)
Module dimensions	1956x992x30mm (77.01x39.06x1.18inches)
Weight	20kg (44lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ), 1000mm (39.37inches)
Connector	MC4 or MC4 compatible

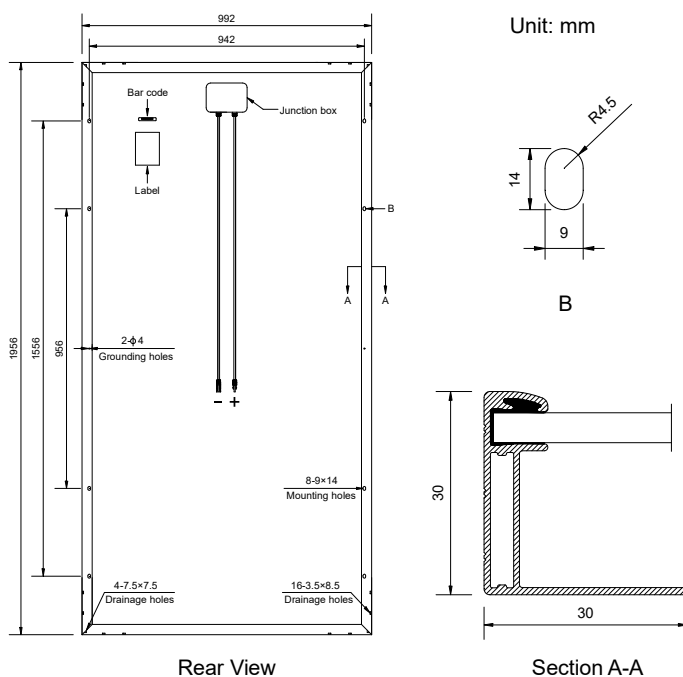
## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of $P_{max}$	-0.39%/°C
Temperature Coefficients of $V_{oc}$	-0.30%/°C
Temperature Coefficients of $I_{sc}$	0.05%/°C

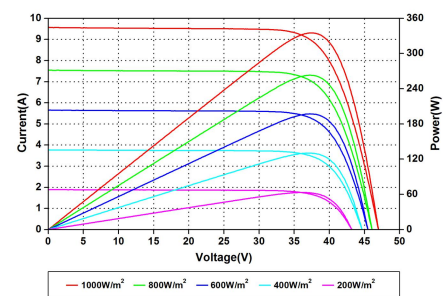
## PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	404pcs
Module quantity per 40' container	864pcs(GP)/948pcs(HQ)

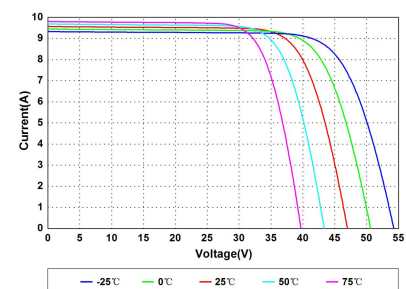
## ENGINEERING DRAWINGS



## IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.