AIMS POWER™

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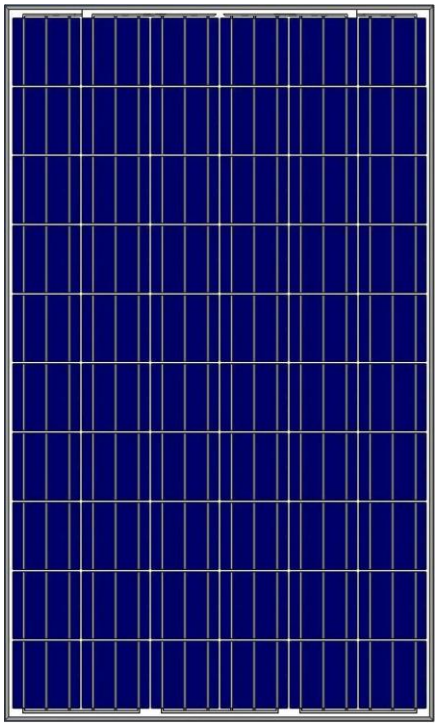
PV265POLY

POLYCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

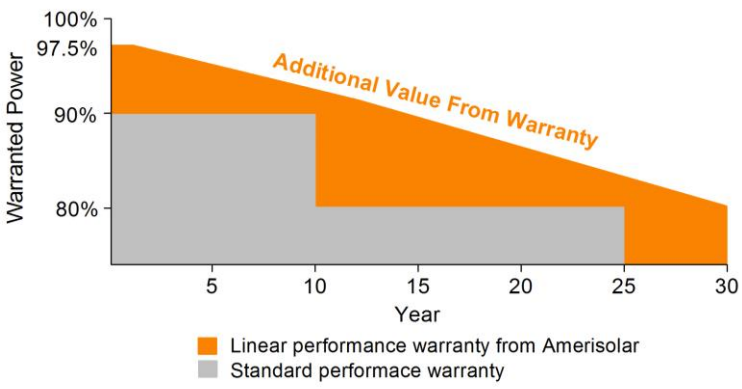
- High module conversion efficiency up to 16.90% through high efficient cells and advanced manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 ~ +3 %.
- Ideal for extreme environment conditions (ammonia, salt mist and hail).
- Potential induced degradation (PID) resistance.

CERTIFICATIONS

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, ETL(USA), JET(Japan), J-PEC(Japan), MCS(UK), CEC(Australia), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), Kemco(South Korea), InMetro(Brazil), TSE(Turkey)
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

SPECIAL WARRANTY

- 12 years limited product warranty.
- Limited linear power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.



ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P_{max})	**265W**
Open Circuit Voltage (V_{OC})	38.3V
Short Circuit Current (I_{SC})	8.98A
Voltage at Nominal Power (V_{mp})	30.9V
Current at Nominal Power (I_{mp})	8.58A
Module Efficiency (%)	16.11
Operating Temperature	-40°C to +85°C
Maximum System Voltage	600V DC
Fire Resistance Rating	Type 1(UL1703)/Class C(IEC61730)
Maximum Series Fuse Rating	15A

STC: Irradiance 1000W/m^2, Cell temperature 25°C, AM1.5

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 156x156mm (6x6inches)
Number of cells	60 (6x10)
Module dimensions	64.96”x39.25”x1.57”
Weight	42.8 lbs
Front cover	3.2mm (0.13”) low-iron tempered glass w/ AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm^2 (0.006inches^2), 1000mm (39.37”)
Connector	MC4 compatible

TEMPERATURE CHARACTERISTICS

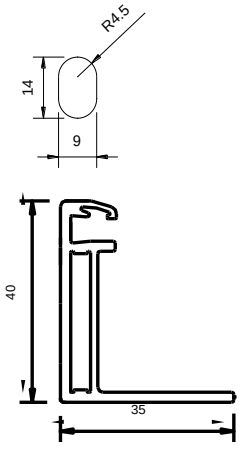
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.41%/°C
Temperature Coefficients of V_{OC}	-0.31%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

PACKAGING

Standard packaging	6 pcs/case
Module quantity per 20’ container	312 pcs
Module quantity per 40’ container	728 pcs

ENGINEERING DRAWINGS

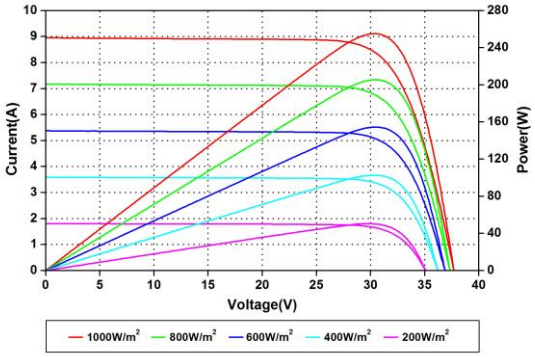
Unit: mm



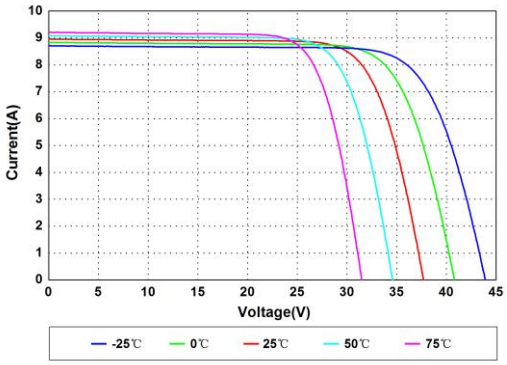
Section A-A

Rear View

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.