

300W  
6PA SERIES  
300W-315W

POLYCRYSTALLINE SOLAR MODULE

**72 CELL**  
MULTICRYSTALLINE MODULE

**300-315W**  
POWER OUTPUT RANGE


**16.3%**  
MAXIMUM EFFICIENCY

**0 to +5%**  
POSITIVE POWER TOLERANCE

CERTIFICATION



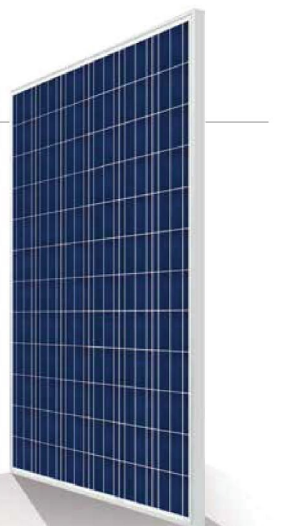
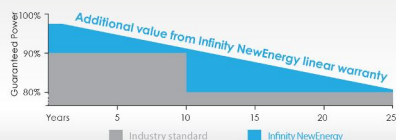
 **Ideal for large scale installations**  
• High power footprint reduces installation time & BOS costs

 **One of the industry's most trusted modules**  
• Field proven performance  
• Infini NewEnergy's financial solidity consistently confirmed by banks and investors

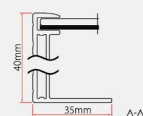
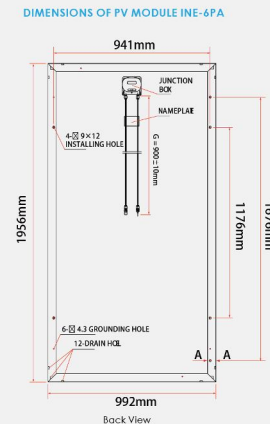
 **Highly reliable due to stringent quality control**  
• Over 30 in-house tests (UV, TC, HF, and many more)  
• In-house testing goes well beyond certification requirements  
• PID resistant

 **Certified to withstand challenging environmental conditions**  
• 2400 Pa wind load  
• 5400 Pa snow load  
• 25 mm hail stones at 82 km/h

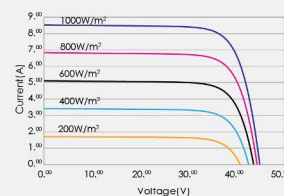
**LINEAR PERFORMANCE WARRANTY**  
12 Year Product Warranty • 25 Year Linear Power Warranty



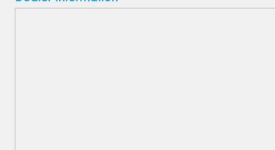
DIMENSIONS OF PV MODULE INE-6PA



I-V CURVES OF PV MODULE INE-6PA



Dealer Information



ELECTRICAL DATA @ STC	INE-300-6PA	INE-305-6PA	INE-310-6PA	INE-315-6PA
Peak Power Watts- $P_{max}$ (Wp)	300	305	310	315
Power Output Tolerance- $P_{max}$ (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- $V_{mp}$ (V)	36.2	36.6	37.0	37.4
Maximum Power Current- $I_{mp}$ (A)	8.28	8.33	8.38	8.43
Open Circuit Voltage- $V_{oc}$ (V)	45.4	45.5	45.5	45.5
Short Circuit Current- $I_{sc}$ (A)	8.77	8.81	8.85	8.92
Module Efficiency $\eta_m$ (%)	15.5	15.7	16.0	16.3

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

ELECTRICAL DATA @ NOCT	INE-300-6PA	INE-305-6PA	INE-310-6PA	INE-315-6PA
Maximum Power- $P_{max}$ (Wp)	223	227	231	234
Maximum Power Voltage- $V_{mp}$ (V)	33.5	33.8	34.1	34.4
Maximum Power Current- $I_{mp}$ (A)	6.66	6.72	6.77	6.83
Open Circuit Voltage- $V_{oc}$ (V)	42.1	42.2	42.2	42.2
Short Circuit Current- $I_{sc}$ (A)	7.08	7.11	7.15	7.18

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

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm
Weight	27.6 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 4.0mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm <sup>2</sup> , 900mm (Customized Available)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	45°C (±2°K)
Temperature Coefficient of $P_{max}$	-0.41%/K
Temperature Coefficient of $V_{oc}$	-0.32%/K
Temperature Coefficient of $I_{sc}$	0.05%/K

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION

Modules per box:	28 pieces/22 pieces
Modules per 40' container:	660 pieces

WARRANTY

12 year workmanship warranty
25 year linear performance warranty
(Please refer to product warranty for details)

INSURANCE

Product liability insurance with CHUBB Group
Product performance (E&O) Insurance CHUBB Group

