

Mono

Multi

Solutions

325W 6MA SERIES 325W-340W

MONOCRYSTALLINE SOLAR MODULE

72 CELL MONOCRYSTALLINE MODULE

310W-325W POWER OUTPUT RANGE

16.8% MAXIMUM EFFICIENCY

0 to +5% POSITIVE POWER TOLERANCE

CERTIFICATION



Maximize Limited Space with top-end efficiency

- Up to 168 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Good aesthetics for residential applications

- Dark mono cells
- Black frame



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Highly reliable due to stringent quality control

- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

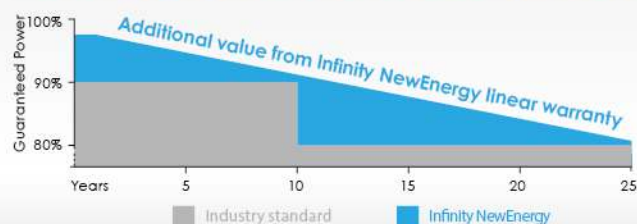


Certified to withstand challenging environmental conditions

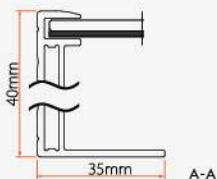
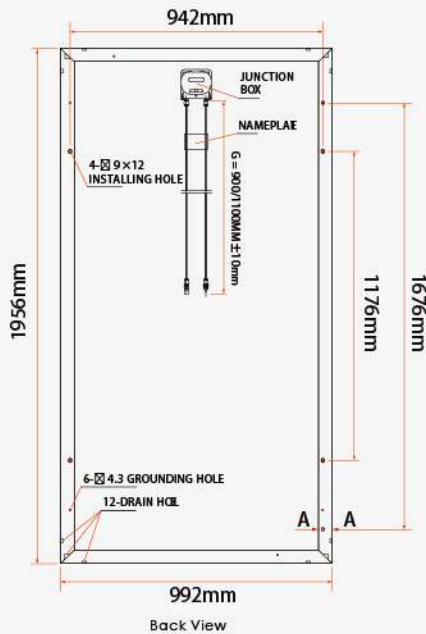
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

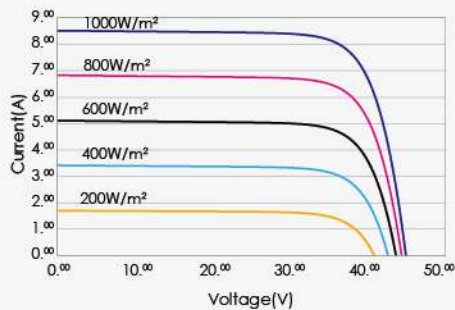
12 Year Product Warranty • 25 Year Linear Power Warranty



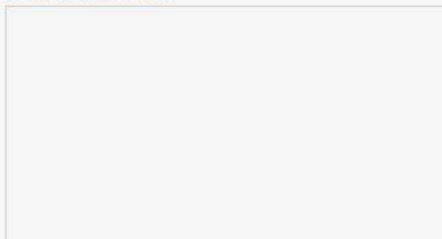
DIMENSIONS OF PV MODULE INE-6MA



I-V CURVES OF PV MODULE INE-6MA



Dealer Information



ELECTRICAL DATA @ STC

	INE-325-6MA	INE-330-6MA	INE-335-6MA	INE-340-6MA
Peak Power Watts- P_{MAX} (Wp)	325	330	335	340
Power Output Tolerance- P_{MAX} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	37.2	37.14	37.21	37.28
Maximum Power Current- I_{MPP} (A)	8.77	8.89	9.00	9.21
Open Circuit Voltage- V_{oc} (V)	44.5	44.6	45.6	45.68
Short Circuit Current- I_{sc} (A)	9.30	9.34	9.45	9.58
Module Efficiency η_m (%)	16.78	17.02	17.28	17.54

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA @ NOCT

	INE-325-6MA	INE-330-6MA	INE-335-6MA	INE-340-6MA
Maximum Power- P_{MAX} (Wp)	242	246	250	253
Maximum Power Voltage- V_{MPP} (V)	34.5	34.9	35.1	35.2
Maximum Power Current- I_{MPP} (A)	6.69	7.04	7.12	7.19
Open Circuit Voltage- V_{oc} (V)	42.9	43.0	43.1	43.2
Short Circuit Current- I_{sc} (A)	7.19	7.49	7.56	7.63

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156 mm
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 x 992 x 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 ² , 900mm(Customized Available)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°K)
Temperature Coefficient of P_{MAX}	- 0.40%/K
Temperature Coefficient of V_{oc}	- 0.31%/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: 26 pieces
Modules per 40' container: 572 pieces
Modules per box: 26 pieces
Modules per 40' container: 646 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