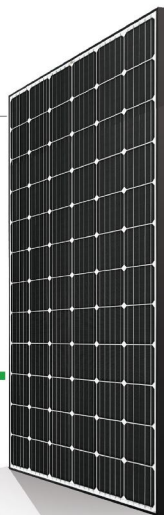


310W
6MA SERIES
310W-325W

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

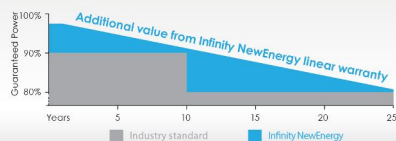
- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant

Certified to withstand challenging environmental conditions

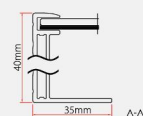
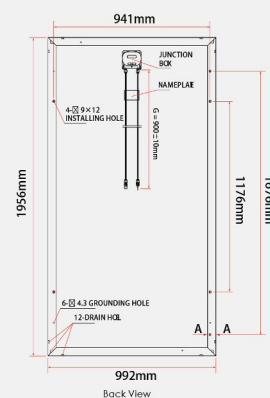
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

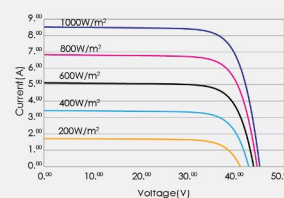
12 Year Product Warranty • 25 Year Linear Power Warranty



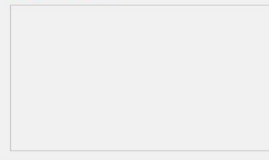
DIMENSIONS OF PV MODULE INE-6MA



I-V CURVES OF PV MODULE INE-6MA



Dealer Information



ELECTRICAL DATA @ STC	INE-310-6MA	INE-315-6MA	INE-320-6MA	INE-325-6MA
Peak Power Watts-P _{max} (Wp)	310	315	320	325
Power Output Tolerance-P _{max} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage-V _{MPP} (V)	37.4	37.6	37.8	38.0
Maximum Power Current-I _{MPP} (A)	8.29	8.38	8.47	8.56
Open Circuit Voltage-V _{oc} (V)	45.9	46.1	46.4	46.6
Short Circuit Current-I _{sc} (A)	8.80	8.87	8.98	9.06
Module Efficiency η _m (%)	16.0	16.3	16.5	16.8

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-310-6MA	INE-315-6MA	INE-320-6MA	INE-325-6MA
Maximum Power-P _{max} (Wp)	230	234	238	242
Maximum Power Voltage-V _{MPP} (V)	35.5	35.8	35.9	36.2
Maximum Power Current-I _{MPP} (A)	6.47	6.54	6.62	6.69
Open Circuit Voltage-V _{oc} (V)	43.5	43.9	44.1	44.5
Short Circuit Current-I _{sc} (A)	7.06	7.10	7.15	7.19

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 × 992 × 40 mm
Weight	27.6 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 4.0mm
Backsheet	White
Frame	Black Anodized Aluminium Alloy (Silver 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:	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

