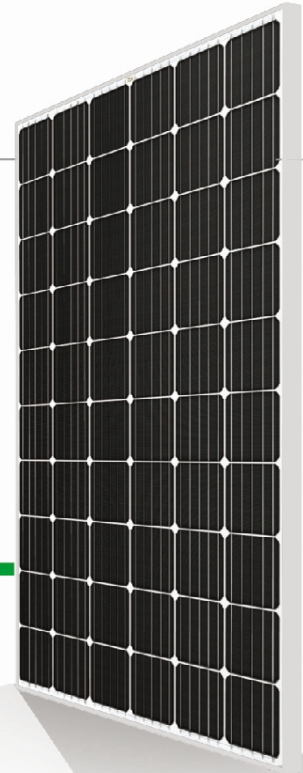


SOLAR MODULE

300W
6MB SERIES
285W-300W

MONOCRYSTALLINE SOLAR MODULE



60 CELL
MONOCRYSTALLINE MODULE

285-300W
POWER OUTPUT RANGE

18.3%
MAXIMUM EFFICIENCY

0 to +5W
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

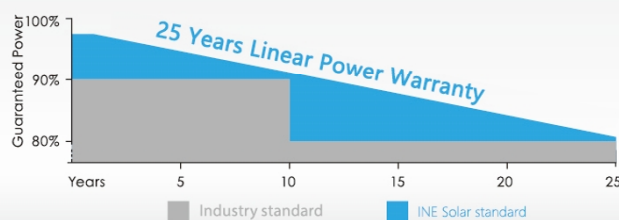


Certified to withstand challenging environmental conditions

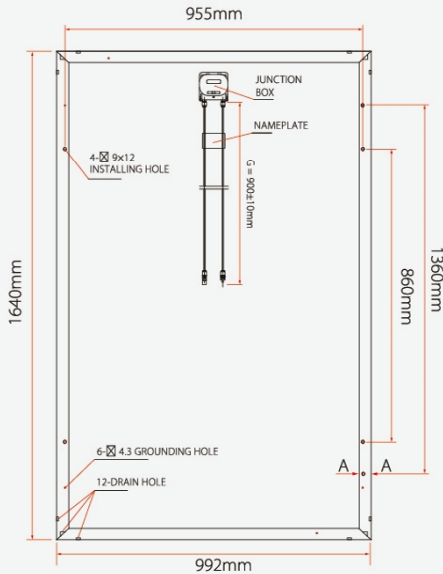
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

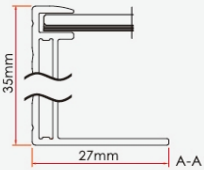
12 Year Product Warranty • 25 Year Linear Power Warranty



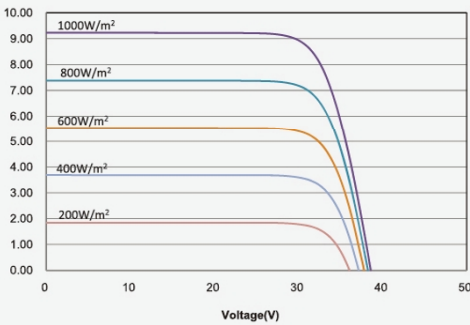
DIMENSIONS OF PV MODULE INE-6MB



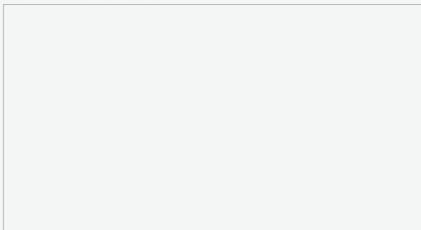
Back View



I-V CURVES OF PV MODULE INE-6MB



Dealer Information



ELECTRICAL DATA @ STC

	INE-285-6MB	INE-290-6MB	INE-295-6MB	INE-300-6MB
Peak Power Watts- P_{MAX} (Wp)	285	290	295	300
Power Output Tolerance- P_{MAX} (W)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	32.36	32.2	32.5	32.6
Maximum Power Current- I_{MPP} (A)	8.11	9.01	9.08	9.19
Open Circuit Voltage- V_{OC} (V)	39.26	39.5	39.7	39.9
Short Circuit Current- I_{SC} (A)	9.33	9.5	9.55	9.64
Module Efficiency η_m (%)	17.43	17.7	18.0	18.3

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-270-6MB	INE-290-6MB	INE-295-6MB	INE-300-6MB
Maximum Power- P_{MAX} (Wp)	201	216	220	223
Maximum Power Voltage- U_{MPP} (V)	28.6	29.9	30.2	30.4
Maximum Power Current- I_{MPP} (A)	7.02	7.23	7.28	7.35
Open Circuit Voltage- U_{OC} (V)	35.8	36.7	36.9	37.1
Short Circuit Current- I_{SC} (A)	7.45	7.67	7.71	7.78

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

MECHANICAL DATA

Solar Cells	Monocrystalline 156 x 156 mm
Cell Orientation	60 cells (6 x 10)
Module Dimensions	1640 x 992 x 35mm
Weight	18.2 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 3.2mm
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 (±2K)
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 to +85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION

Modules per box:	30 pieces
Modules per 40' container:	840 pieces

WARRANTY

12 year Product 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