

# IN BLACK

260W  
6MB-B SERIES  
260W-270W

MONOCRYSTALLINE SOLAR MODULE



**60 CELL**  
MONOCRYSTALLINE MODULE

**260W-270W**  
POWER OUTPUT RANGE

**16.5%**  
MAXIMUM EFFICIENCY

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

CERTIFICATION



**Great aesthetics for dark roofs**

- Dark mono cells
- Black frame and backsheet



**Maximize Limited Space with high efficiency**

- Up to 165 W/m<sup>2</sup> power density
- Low thermal coefficients for greater energy production at high operating temperatures



**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

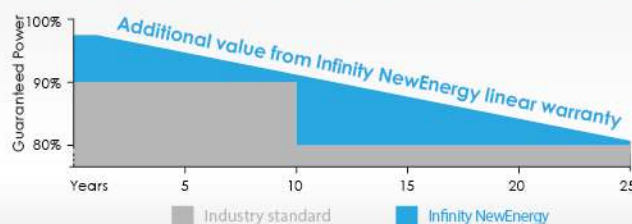


**Certified to withstand challenging environmental conditions**

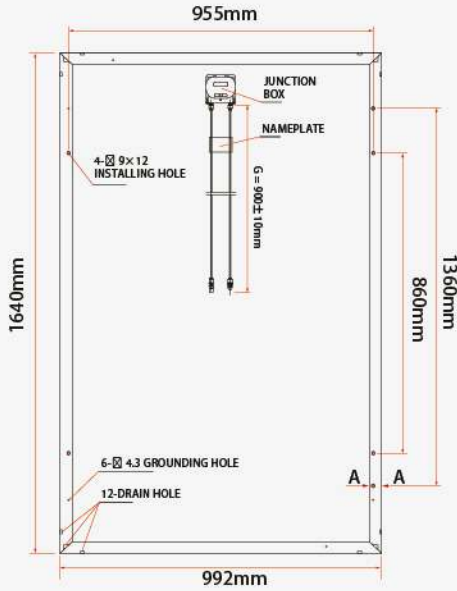
- 35 mm hail stones at 97 km/h

**LINEAR PERFORMANCE WARRANTY**

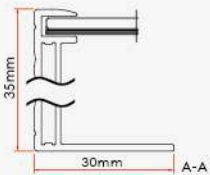
12 Year Product Warranty • 25 Year Linear Power Warranty



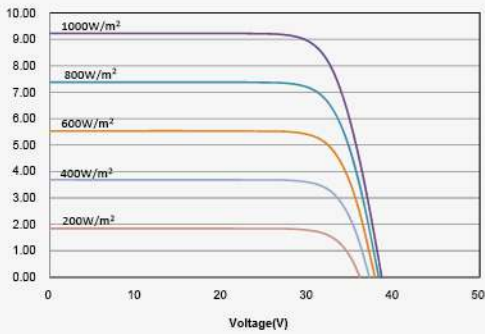
### DIMENSIONS OF PV MODULE INE-6MB-B



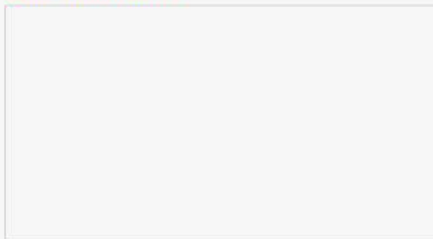
Back View



### I-V CURVES OF PV MODULE INE-6MB-B



### Dealer Information



### ELECTRICAL DATA @ STC

	INE-260-6MB-B	INE-265-6MB-B	INE-270-6MB-B
Peak Power Watts- $P_{MAX}$ (Wp)	260	265	270
Power Output Tolerance- $P_{MAX}$ (%)	0/+5	0/+5	0/+5
Maximum Power Voltage- $V_{MPP}$ (V)	30.7	30.7	30.8
Maximum Power Current- $I_{MPP}$ (A)	8.49	8.63	8.77
Open Circuit Voltage- $V_{OC}$ (V)	38.5	38.5	38.6
Short Circuit Current- $I_{SC}$ (A)	9.01	9.10	9.23
Module Efficiency $\eta_m$ (%)	15.9	16.2	16.5

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-260-6MB-B	INE-265-6MB-B	INE-270-6MB-B
Maximum Power- $P_{MAX}$ (Wp)	194	197	201
Maximum Power Voltage- $U_{MPP}$ (V)	28.4	28.5	28.6
Maximum Power Current- $I_{MPP}$ (A)	6.82	6.92	7.02
Open Circuit Voltage- $U_{OC}$ (V)	35.7	35.8	35.8
Short Circuit Current- $I_{SC}$ (A)	7.28	7.35	7.45

NOCT: Irradiance at 800 W/m<sup>2</sup>, 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 35 mm
Weight	18.2 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 3.2mm
Backsheet	Black
Frame	Black Anodized Aluminium Alloy
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)	44°C (±2K)
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 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: 30pieces
Modules per 40' container: 840pieces

### 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