

# 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

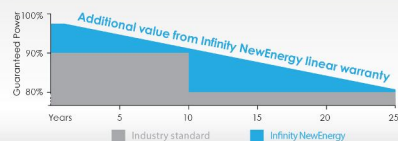
CERTIFICATION



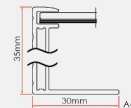
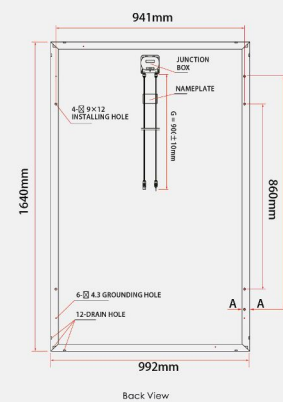
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**Great aesthetics for dark roofs**
  - Dark mono cells
  - Black frame and backsheet
- 
**Maximize Limited Space with high efficiency**
  - Up to 165 W/m<sup>2</sup> power density
  - Low thermal coefficients for greater energy production at high operating temperatures
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**Excellent low light performance on cloudy days, mornings and evenings**
  - Advanced surface texturing
  - Back surface field
  - Selective emitter
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**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
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**Certified to withstand challenging environmental conditions**
  - 35 mm hail stones at 97 km/h

**LINEAR PERFORMANCE WARRANTY**

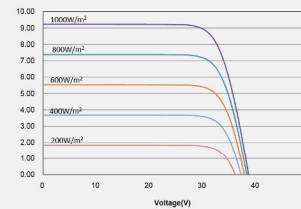
12 Year Product Warranty • 25 Year Linear Power Warranty



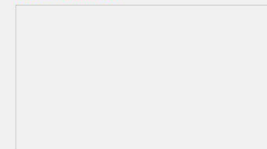
DIMENSIONS OF PV MODULE INE-6MB-B



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 <sub>max</sub> (Wp)	260	265	270
Power Output Tolerance-P <sub>max</sub> (%)	0/+5	0/+5	0/+5
Maximum Power Voltage-U <sub>MPP</sub> (V)	30.7	30.7	30.8
Maximum Power Current-I <sub>MPP</sub> (A)	8.49	8.63	8.77
Open Circuit Voltage-U <sub>oc</sub> (V)	38.5	38.5	38.6
Short Circuit Current-I <sub>sc</sub> (A)	9.01	9.10	9.23
Module Efficiency η <sub>m</sub> (%)	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 <sub>max</sub> (Wp)	194	197	201
Maximum Power Voltage-U <sub>MPP</sub> (V)	28.4	28.5	28.6
Maximum Power Current-I <sub>MPP</sub> (A)	6.82	6.92	7.02
Open Circuit Voltage-U <sub>oc</sub> (V)	35.7	35.8	35.8
Short Circuit Current-I <sub>sc</sub> (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 <sub>max</sub>	-0.40%/K
Temperature Coefficient of U <sub>oc</sub>	-0.31%/K
Temperature Coefficient of I <sub>sc</sub>	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

