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Solar Panel Guide Specification Data Sheet

Shanghai Dagan Industry Co., Ltd
255-270W 6PB Series
INE-255-6PB

Also available on the web at
EnergyPal.com/shanghai-dagan-industry-co-ltd-solar-panels/ine-255-6pb

270W
6PB SERIES
255W-270W

POLYCRYSTALLINE SOLAR MODULE

60 CELL
MULTICRYSTALLINE MODULE

255-270W
POWER OUTPUT RANGE

16.5%
MAXIMUM EFFICIENCY

0 to +5%
POSITIVE POWER TOLERANCE

CERTIFICATION



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Maximize Limited Space

- 60-cell module power output up to 265W
- Up to 162W/m² power density



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

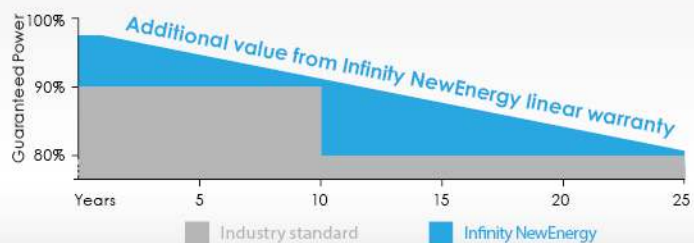


Certified to withstand challenging environmental conditions

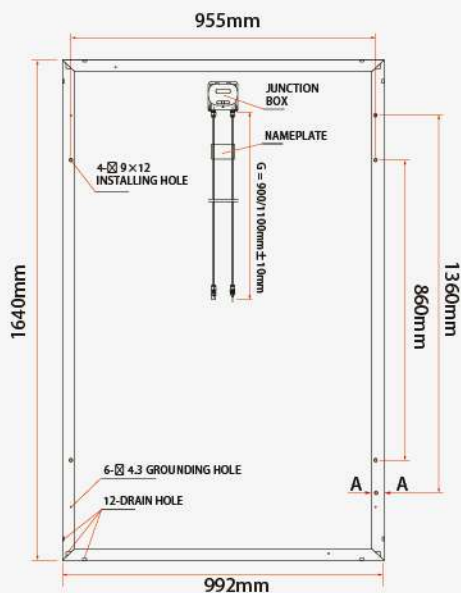
- 130 km/h wind load (2400 Pa)
- 900 kg snow load per module (5400 Pa)
- 35 mm hail stones at 97 km/h

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty



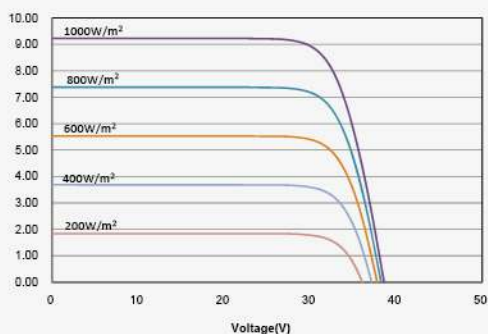
DIMENSIONS OF PV MODULE INE-6PB



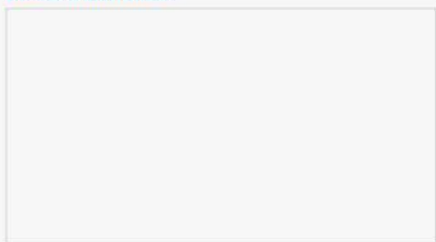
Back View



I-V CURVES OF PV MODULE INE-6PB



Dealer Information



ELECTRICAL DATA @ STC

	INE-255-6PB	INE-260-6PB	INE-265-6PB	INE-270-6PB
Peak Power Watts- P_{MAX} (Wp)	255	260	265	270
Power Output Tolerance- P_{MAX} (%)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	30.5	30.6	30.8	30.8
Maximum Power Current- I_{MPP} (A)	8.37	8.50	8.61	8.77
Open Circuit Voltage- V_{OC} (V)	38.1	38.2	38.3	38.6
Short Circuit Current- I_{SC} (A)	8.88	9.00	9.10	9.23
Module Efficiency η_m (%)	15.6	15.9	16.2	16.5

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-255-6PB	INE-260-6PB	INE-265-6PB	INE-270-6PB
Maximum Power- P_{MAX} (Wp)	190	193	197	200
Maximum Power Voltage- U_{MPP} (V)	28.1	28.3	28.4	28.7
Maximum Power Current- I_{MPP} (A)	6.74	6.84	6.93	6.97
Open Circuit Voltage- U_{OC} (V)	35.3	35.4	35.5	35.5
Short Circuit Current- I_{SC} (A)	7.17	7.27	7.35	7.41

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

MECHANICAL DATA

Solar Cells	Multicrystalline 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	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 (±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:	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