



TECHNICAL DATA

Electrical Data : All Data refers to STC (1000W/m², AM1.5G, 25°C)

Type	INA60P260	INA60P265	INA60P270	INA60P275
Nominal Wattage (Pmax) Wp	260	265	270	275
No's of Full Cells	60	60	60	60
Matrix configuration	10x6	10x6	10x6	10x6
Maximum Voltage (Vmp) V	30.98	31.18	31.40	31.60
Open Circuit Voltage (Voc) V	37.75	37.99	38.20	38.40
Maximum Current (Imp) A	8.40	8.50	8.61	8.70
Short Circuit current (Isc) A	8.95	9.00	9.08	9.18
Fill factor (F.F.) in %	76.95	77.51	77.84	77.99
Module efficiency (%)	15.92	16.22	16.53	16.84
Power Tolerance	0 to +2%	0 to +2%	0 to +2%	0 to +2%

STC : 1000W/m² irradiance, 25°C cell temperature, AM1.5G spectrum according to EN 60904-3
Average relative efficiency reduction of < 5% at 200W/m² according to EN 60904-1

Electrical Parameters at NOCT

Maximum Power Pmax (Wp)	192.80	194.70	197.80	200.90
Maximum Power voltage V@Pmax(V)	27.90	28.00	28.20	28.40
Maximum Powercurrent I@Pmax(A)	6.90	6.97	7.00	7.04
Open circuit Voltage Voc (V)	35.40	35.60	35.70	35.90
Short circuit current Isc(A)	7.24	7.28	7.35	7.43

NOCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec

Temperature Coefficients (Tc) permissible operating conditions

Tc of Open Circuit Voltage (β)	-0.31%/°C ± 0.02
Tc of Short Circuit Current (α)	0.052%/°C ± 0.01
Tc of Power (γ)	-0.40%/°C ± 0.02
NOCT	45 ± 2°C
Maximum Series Fuse Ratings	20A
Temperature Range	-40°C to +85°C
Maximum System Voltage	1000VDC

MECHANICAL DATA

Length x Width x Height (in mm)	1645mm x 985mm x 35mm (± 1.5mm)
Weight	18.50Kg
Junction Box	IP67/IP68 rated with 3 By pass diodes
Cable & Connectors	4sqm (12A WG) solar cable 1000mm x 2 nos black MC4/MC4 compatible connectors
Application Class	Class A (Safety class II)
Substrate (Glass)	High transmission low iron tempered glass AR coated
Solar cells & Orientation	60 No's (10x6) Full poly crystalline Full solar cells
Cells Encapsulant	EVA (Ethylene Vinyl Acetate) - F C/UFC
Back Sheet	Composite film - White: (Black & Transparent optional)
Frame	Silver Anodized aluminum frame with twin wall profile (Black Optional)
Mechanical Load Test	Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m ² Maximum diameter of 24mm with Hail impact of 83 Km/h)

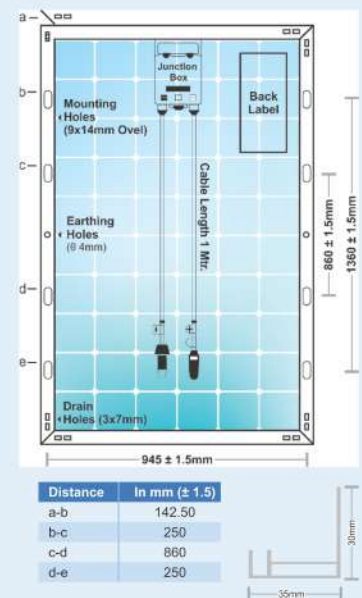
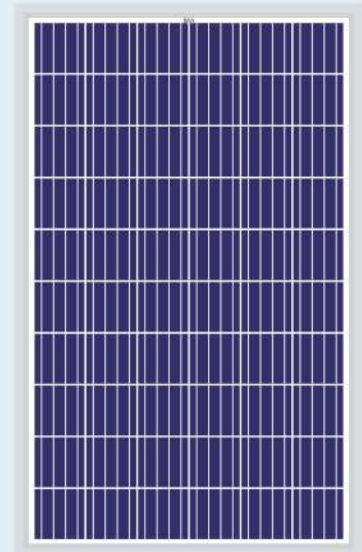
WARRANTY AND CERTIFICATIONS

Performance Warranty**	Linear Power Warranty for 25 years, 90% for 10 years and 80% for 25 years
Approvals and certifications	Products: IEC 61215:2005-Ed2, IEC 61730-Ed1 & Ed2, IEC 61701, IEC 62804, MNRE, UL, CE, IS: 14286

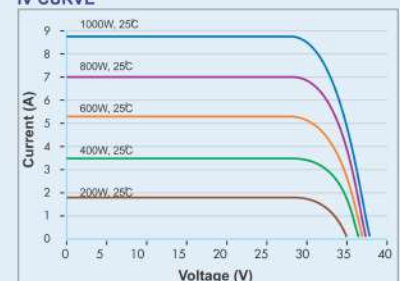
⚠ CAUTION: READ SAFETY AND DETAILED INSTALLATION MANUAL BEFORE USING THE PRODUCT (Refer Our Website).

**Refer to Insolation energy warranty documents for terms and conditions.

**Specifications included in this data sheet are subject to change without notice. Electrical data without guarantee. Please confirm your requirements with the company representative while placing your order.



IV CURVE



Performance Warranty

