

INE-60PH SERIES 6 INCH 120 CELLS

285-305w

PRODUCT CERTIFICATES



KEY FEATURES

0~3%

Output positive tolerance/Guaranteed 0~3% positive tolerance ensures the power output reliability

HALF CELL

Half-cell technology/New circuit design, lower internal current, lower Rs loss



Anti PID technology/Excellent Anti-PID performance

NEW IEC

Tested and certified according IEC standard /IEC61215/IEC61730 standard quality



Highly reliable due to stringent quality control/Three times strict EL testing beyond certification requirements

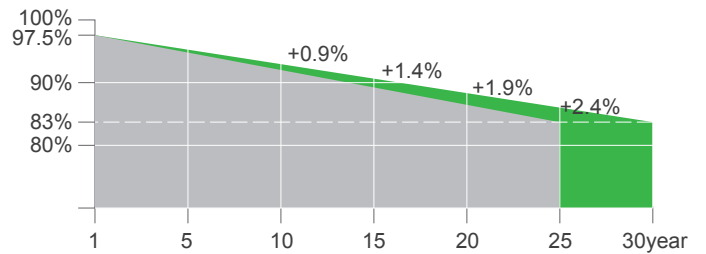


Lower temperature coefficients/Outstanding power output capability at low irradiance

SYSTEM CERTIFICATES

IEC 61215 / IEC 61730
 ISO 9001 : Quality Management System
 ISO 14001 : Environment Mangement System
 OHSAS 18001 : Occupational Health and Safety Management System

WARRANTY



12 years

12-year Warranty for Materials and Processing

30 years

30-year Warranty for Extra Linear Power Output

ELECTRICAL PARAMETERS AT STC

Module Type	INE-285-60PH	INE-290-60PH	INE-295-60PH	INE-300-60PH	INE-305-60PH
Rated Maximum Power(Pmax) [W]	285	290	295	300	305
Open Circuit Voltage(Voc) [V]	38.7	38.9	39.1	39.3	39.5
Maximum Power Voltage(Vmp) [V]	32.1	32.3	32.5	32.7	32.9
Short Circuit Current(Isc) [A]	9.42	9.49	9.57	9.65	9.73
Maximum Power Current(Imp) [A]	8.88	8.98	9.08	9.18	9.28
Module Efficiency [%]	17.1	17.4	17.7	18.0	18.3

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

ELECTRICAL PARAMETERS AT NOCT

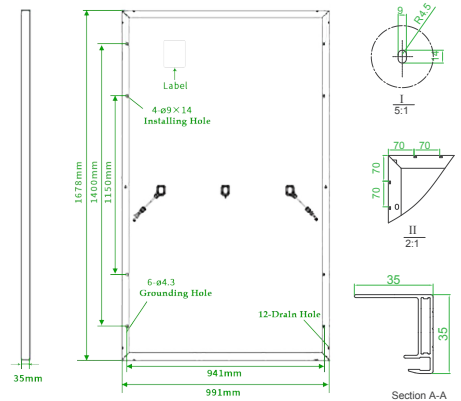
Module Type	INE-285-60PH	INE-290-60PH	INE-295-60PH	INE-300-60PH	INE-305-60PH
Rated Maximum Power(Pmax) [W]	213	216	219	223	227
Open Circuit Voltage(Voc) [V]	36.3	36.5	36.7	36.8	37.0
Maximum Power Voltage(Vmp) [V]	29.6	29.8	30.0	30.2	30.4
Short Circuit Current(Isc) [A]	7.60	7.66	7.72	7.78	7.85
Maximum Power Current(Imp) [A]	7.20	7.22	7.30	7.38	7.46

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1m/s

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	156.75*156.75mm(6inch)
Cell Arrangement	120(6*20)
Weight	18.5kg
Module Dimensions	1678*991*35mm
Cable	4.0 mm ² , wire length: 900 mm or Customized Length
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68
Connector	MC4 Compatible
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

Technical drawing(INE-XXX-60PH)



* All Dimensions in mm.

* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact IDEAL NEW ENERGY.

OPERATING CONDITIONS

Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1000VDC / 1500VDC
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28%/°C
Isc Temperature Coefficient	+0.05 %/°C
Nominal Operating Cell Temperature	45±2 °C
Operating Temperature	-40°C-+85°C
Maximum Series Fuse	20A

PACKING CONFIGURATION

Quantity/Pallet	30pcs/pallet
Pallets/Container	12pallet/20GP; 26pallet/40HQ
Quantity/Container	360pcs/20GP; 850pcs/40HQ

I-V Curve

