

INE-72MH SERIES 6 INCH 144 CELLS

390-410w

PRODUCT CERTIFICATES



KEY FEATURES

0~3%

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

HALF CELL

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

PID

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

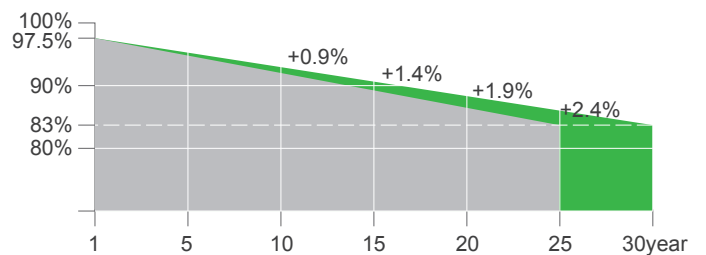


Lower temperature coefficients/Outstanding power output capability at low irradiance

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-390-72MH	INE-395-72MH	INE-400-72MH	INE-405-72MH	INE-410-72MH
Rated Maximum Power(Pmax) [W]	390	395	400	405	410
Open Circuit Voltage(Voc) [V]	49.30	49.50	49.80	50.10	50.40
Maximum Power Voltage(Vmp) [V]	41.10	41.40	41.70	42.00	42.30
Short Circuit Current(Isc) [A]	10.12	10.23	10.36	10.48	10.60
Maximum Power Current(Imp) [A]	9.49	9.55	9.60	9.65	9.69
Module Efficiency [%]	19.38	19.63	19.88	20.12	20.37

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

ELECTRICAL PARAMETERS AT NOCT

Module Type	INE-390-72MH	INE-395-72MH	INE-400-72MH	INE-405-72MH	INE-410-72MH
Rated Maximum Power(Pmax) [W]	294	298	302	306	310
Open Circuit Voltage(Voc) [V]	48.00	48.20	48.50	48.70	48.90
Maximum Power Voltage(Vmp) [V]	39.10	39.30	39.60	39.80	40.00
Short Circuit Current(Isc) [A]	8.02	8.09	8.16	8.22	8.26
Maximum Power Current(Imp) [A]	7.54	7.60	7.66	7.72	7.76

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

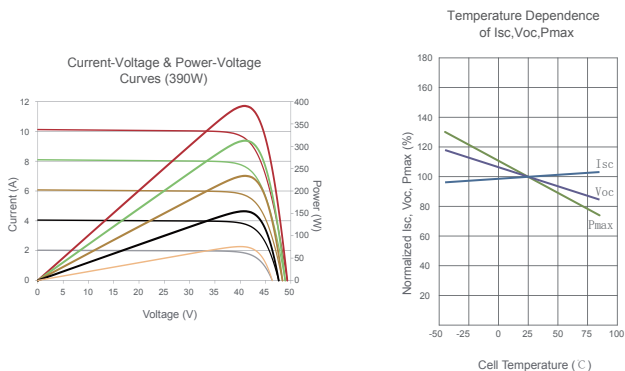
MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	158.75*158.75mm
Cell Arrangement	144(6*24)
Weight	22.8kg
Module Dimensions	2008*1002*40mm
Cable	4.0 mm ² , (+)290mm, (-)145mm 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

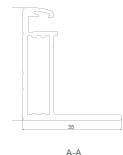
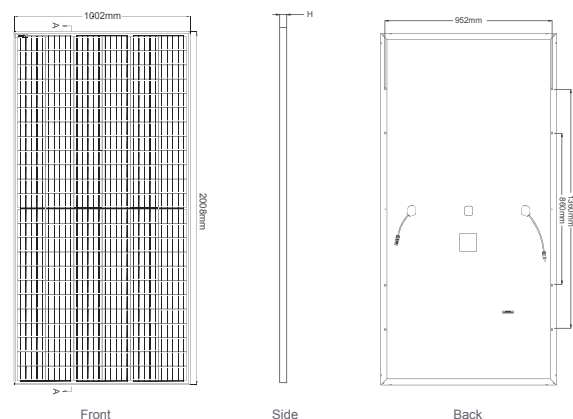
OPERATING CONDITIONS

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

I-V Curve



Technical drawing(INE-XXX-72MH)



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

PACKING CONFIGURATION

Quantity/Pallet	27pcs/pallet
Pallets/Container	10pallet/20GP; 22pallet/40HQ
Quantity/Container	270pcs/20GP; 660pcs/40HQ