

INE-72MH SERIES 6 INCH 144 CELLS

# 380-400w

**PRODUCT CERTIFICATES**



## KEY FEATURES

0~3%

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

**PERC**

Innovative Perc Cell Technology/Outstanding power output performance by perc cell



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

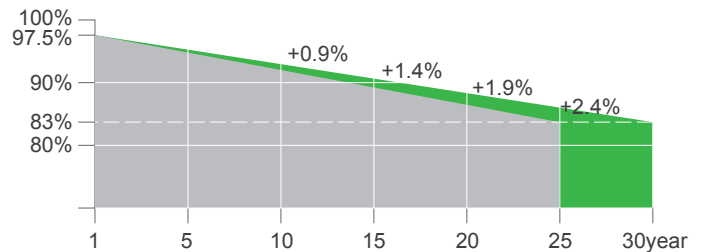


Lower temperature coefficients/Outstanding power output capability at low irradiance

## 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-380-72MH	INE-385-72MH	INE-390-72MH	INE-395-72MH	INE-400-72MH
Rated Maximum Power(Pmax) [W]	380	385	390	395	400
Open Circuit Voltage(Voc) [V]	48.05	48.32	48.61	48.91	49.17
Maximum Power Voltage(Vmp) [V]	39.80	40.07	40.34	40.63	40.92
Short Circuit Current(Isc) [A]	10.09	10.15	10.21	10.28	10.34
Maximum Power Current(Imp) [A]	9.55	9.61	9.67	9.73	9.78
Module Efficiency [%]	19.20	19.40	19.70	19.90	20.20

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

## ELECTRICAL PARAMETERS AT NOCT

Module Type	INE-380-72MH	INE-385-72MH	INE-390-72MH	INE-395-72MH	INE-400-72MH
Rated Maximum Power(Pmax) [W]	281	285	289	292	296
Open Circuit Voltage(Voc) [V]	44.51	44.80	45.04	45.30	45.56
Maximum Power Voltage(Vmp) [V]	36.81	37.05	37.29	37.52	37.76
Short Circuit Current(Isc) [A]	8.08	8.13	8.18	8.23	8.28
Maximum Power Current(Imp) [A]	7.64	7.69	7.74	7.79	7.84

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

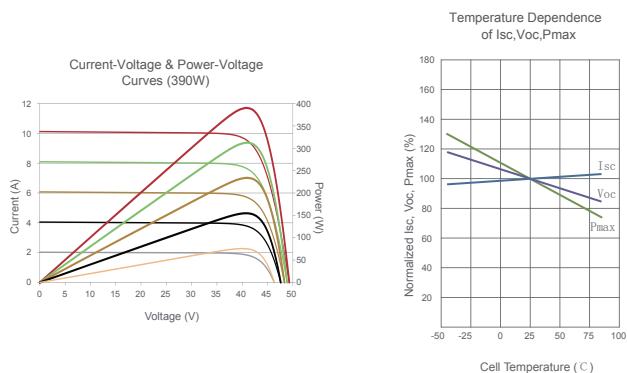
## MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	156.75*156.75mm
Cell Arrangement	144(6*24)
Weight	22.5kg
Module Dimensions	2000*991*40mm
Cable	4.0 mm <sup>2</sup> , (+)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

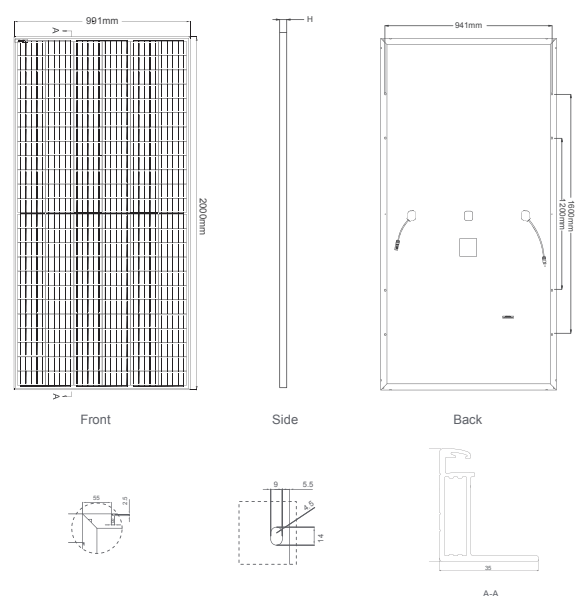
## OPERATING CONDITIONS

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