

INE-72MH SERIES 6 INCH 144 CELLS

395-415w

PRODUCT CERTIFICATES



KEY FEATURES

0~3%

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

9BB

9BB 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

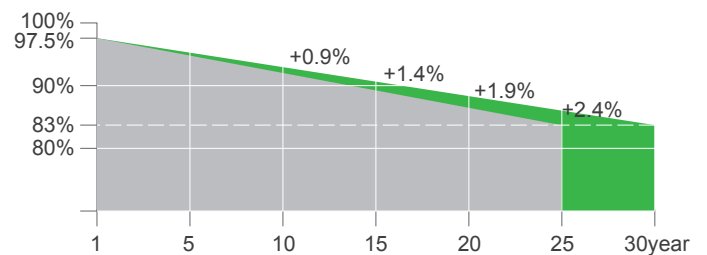


Lower temperature coefficients/Outstanding power output capability at low irradiance

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-395-72MH	INE-400-72MH	INE-405-72MH	INE-410-72MH	INE-415-72MH
Rated Maximum Power(Pmax) [W]	395	400	405	410	415
Open Circuit Voltage(Voc) [V]	48.7	48.9	49.1	49.3	49.5
Maximum Power Voltage(Vmp) [V]	40.5	40.8	41.1	41.4	41.7
Short Circuit Current(Isc) [A]	10.29	10.33	10.37	10.41	10.45
Maximum Power Current(Imp) [A]	9.76	9.81	9.86	9.91	9.96
Module Efficiency [%]	19.4	19.7	19.9	20.2	20.4

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

ELECTRICAL PARAMETERS AT NOCT

Module Type	INE-395-72MH	INE-400-72MH	INE-405-72MH	INE-410-72MH	INE-415-72MH
Rated Maximum Power(Pmax) [W]	298	302	305	309	313
Open Circuit Voltage(Voc) [V]	45.8	46.0	46.2	46.4	46.6
Maximum Power Voltage(Vmp) [V]	38.0	38.2	38.5	38.8	39.0
Short Circuit Current(Isc) [A]	8.30	8.33	8.36	8.39	8.43
Maximum Power Current(Imp) [A]	7.85	7.89	7.92	7.97	8.01

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

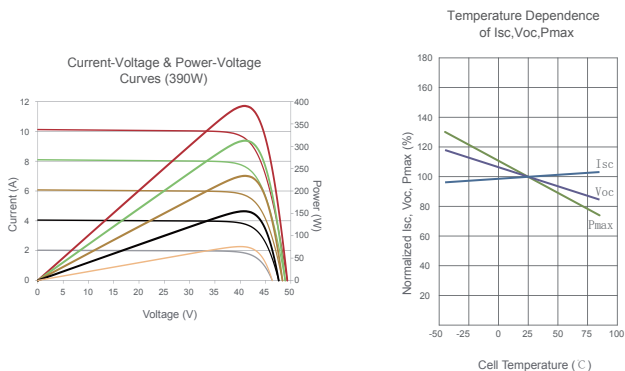
MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	158.75*79.375mm
Cell Arrangement	144(6*24)
Weight	22.8kg
Module Dimensions	2024*1004*35mm
Cable	4.0 mm², (+)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

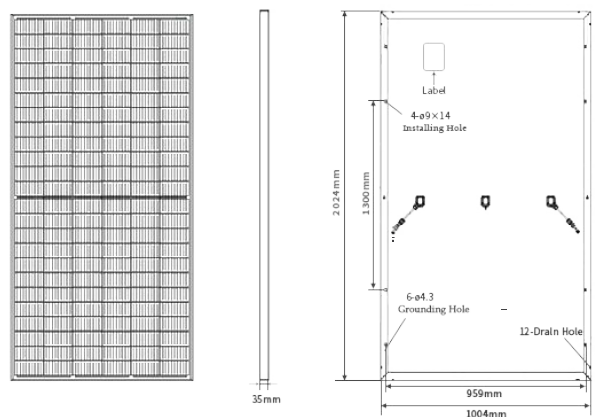
OPERATING CONDITIONS

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

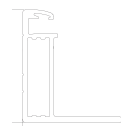


Technical drawing(INE-XXX-72MH)



PACKING CONFIGURATION

Quantity/Pallet	30pcs/pallet
Pallets/Container	10pallet/20GP; 22pallet/40HQ
Quantity/Container	300pcs/20GP; 708pcs/40HQ



A-A

* All Dimensions in mm.

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