

INE-78MH SERIES 6 INCH 156 CELLS

425-445w

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

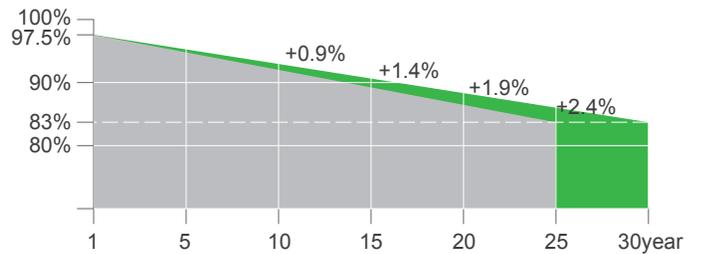


Lower temperature coefficients/Outstanding power output capability at low irradiance

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-425-78MH	INE-430-78MH	INE-435-78MH	INE-440-78MH	INE-445-78MH
Rated Maximum Power(Pmax) [W]	425	430	435	440	445
Open Circuit Voltage(Voc) [V]	52.23	52.38	52.50	52.65	52.70
Maximum Power Voltage(Vmp) [V]	43.50	43.60	43.70	43.80	43.90
Short Circuit Current(Isc) [A]	10.38	10.47	10.57	10.67	10.77
Maximum Power Current(Imp) [A]	9.78	9.87	9.97	10.06	10.15
Module Efficiency [%]	19.60	19.80	20.10	20.30	20.50

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

ELECTRICAL PARAMETERS AT NOCT

Module Type	INE-425-78MH	INE-430-78MH	INE-435-78MH	INE-440-78MH	INE-445-78MH
Rated Maximum Power(Pmax) [W]	318	321.80	325.50	329.30	332.90
Open Circuit Voltage(Voc) [V]	48.10	48.20	48.30	48.40	48.48
Maximum Power Voltage(Vmp) [V]	39.80	39.90	40.00	40.10	40.24
Short Circuit Current(Isc) [A]	8.51	8.59	8.67	8.75	8.83
Maximum Power Current(Imp) [A]	7.98	8.06	8.13	8.21	8.27

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

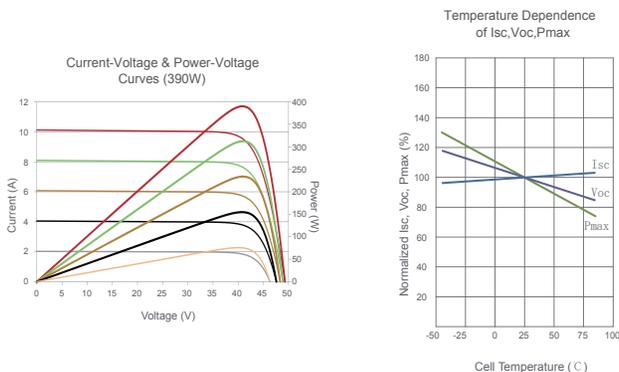
MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	158.75*79.375mm
Cell Arrangement	156(6*26)
Weight	25.5kg
Module Dimensions	2178*996*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

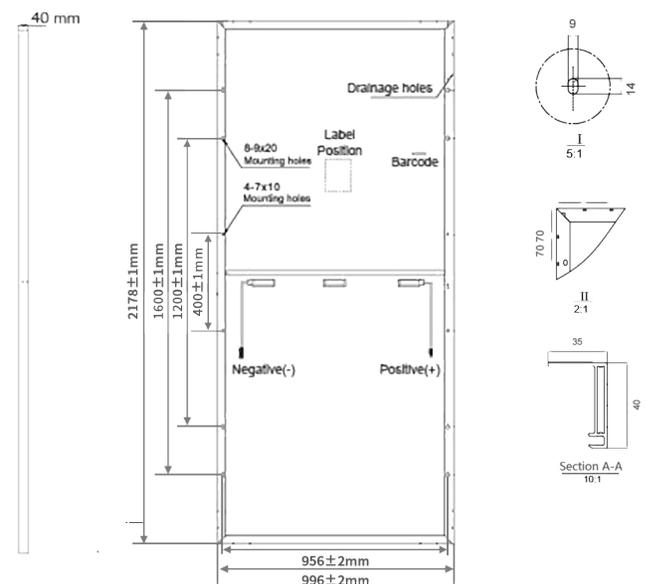
I-V Curve



PACKING CONFIGURATION

Quantity/Pallet	27pcs/pallet
Pallets/Container	10pallet/20GP; 22pallet/40HQ
Quantity/Container	270pcs/20GP; 642pcs/40HQ

Technical drawing(INE-XXX-78MH)



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