

INE-96M SERIES 6 INCH 96 CELLS 520-540w

PRODUCT CERTIFICATES



KEY FEATURES

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

9BB 9BB full cell technology/Higher efficiency cell and higher output of power

PID Anti PID technology/Excellent Anti-PID performance

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

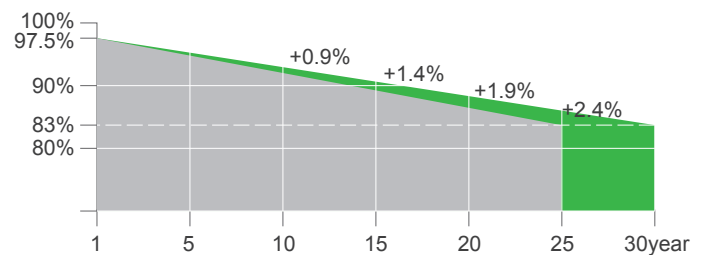
✓ Highly reliable due to stringent quality control/Three times strict EL testing beyond certification requirements

°C 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-520-96M | INE-525-96M | INE-530-96M | INE-535-96M | INE-540-96M |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rated Maximum Power(Pmax) [W] | 520 | 525 | 530 | 535 | 540 |
| Open Circuit Voltage(Voc) [V] | 62.7 | 62.9 | 63.1 | 63.3 | 63.5 |
| Maximum Power Voltage(Vmp) [V] | 51.8 | 52 | 52.2 | 52.4 | 52.6 |
| Short Circuit Current(Isc) [A] | 10.6 | 10.67 | 10.72 | 10.78 | 10.85 |
| Maximum Power Current(Imp) [A] | 10.04 | 10.1 | 10.15 | 10.21 | 10.27 |
| Module Efficiency [%] | 19.8 | 20 | 20.2 | 20.4 | 20.6 |

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

ELECTRICAL PARAMETERS AT NOCT

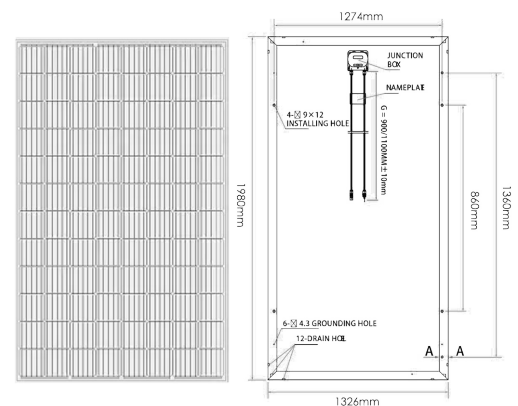
| Module Type | INE-520-96M | INE-525-96M | INE-530-96M | INE-535-96M | INE-540-96M |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rated Maximum Power(Pmax) [W] | 392 | 396 | 400 | 404 | 408 |
| Open Circuit Voltage(Voc) [V] | 48.00 | 48.20 | 48.50 | 48.70 | 48.90 |
| Maximum Power Voltage(Vmp) [V] | 39.21 | 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 | 96(8*12) |
| Weight | 26kg |
| Module Dimensions | 1980*1326*40mm |
| 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-96M)



* 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 | 27pcs/pallet |
| Pallets/Container | 5pallet/20GP; 12 pallet/40HQ |
| Quantity/Container | 210pcs/20GP; 530pcs/40HQ |

I-V Curve

