

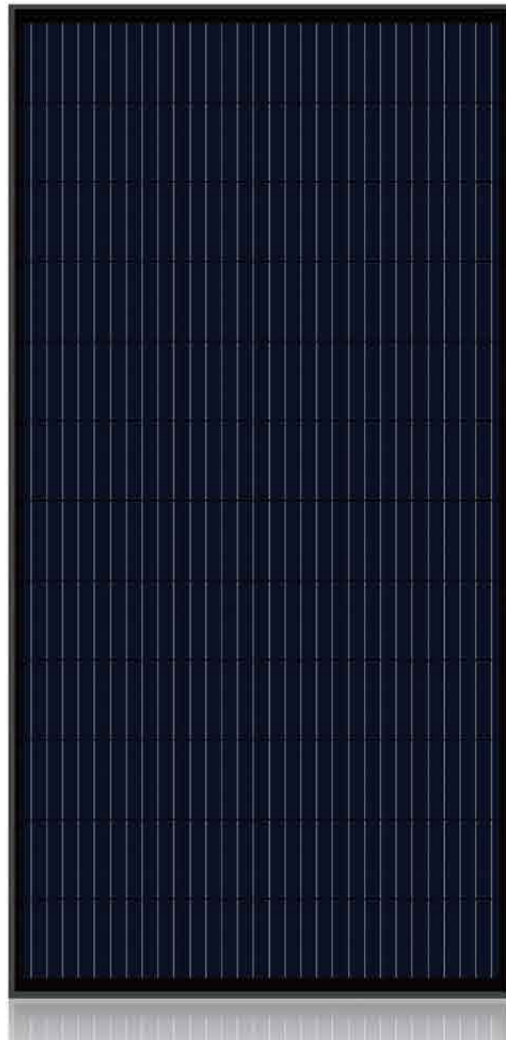
CHN 72P(BK)

320W/325W/330W

POLY CRYSTALLINE MODULE

IEC61215/IEC61730/IEC61701/IEC62716/IEC62804
 ISO9001: 2008 Quality Management System
 ISO14001: 2004 Environmental Management System
 OHSAS18001: 2007 Occupational Health and Safety Management System

TOGETHER WITH
 THE SUN TO CREATE
 THE FUTURE



LINEAR PERFORMANCE WARRANTY

- 10 Years Manufacturing Warranty
- 12 Years 90% Power Output
- 25 Years 80% Power Output

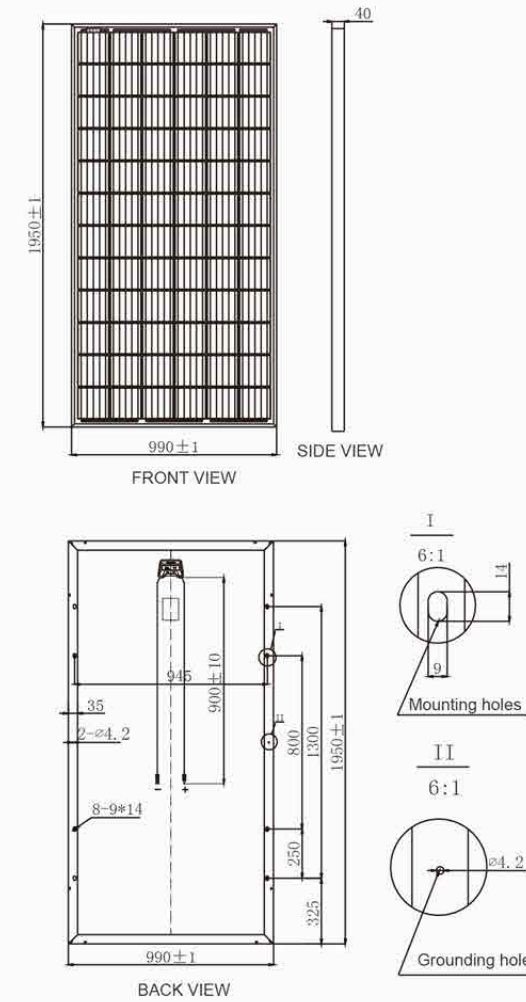


- IP68 Junction Box, Connector**
 IP68 Junction Box and Connector have a high degree of waterproof, effectively resist the harsh environment.
- 15A current**
 The junction box carries a current of 15A, ensuring high current flow through the modules
- Super strong frame**
 Glue-spilled tank has a double-layer waterproof, cross-section with hook-shaped aluminum frame, enhanced by 10% of the mechanical load strength
- Current division**
 The module refines the current division, thus effectively reducing the loss of up to 2% due to mismatch and increasing the power output of the system
- Salt spray, Ammonia and PID test**
 Excellent salt spray resistance, anti-ammonia and anti PID, TUV, SUD certification approved
- Strong Mechanical load capacity**
 Passed the 2400pa wind load and 5400pa snow load test, ensuring that the module has a stable mechanical life
- Color Classification**
 Modules are packaged according to color classification, to achieve consistent appearance after installation

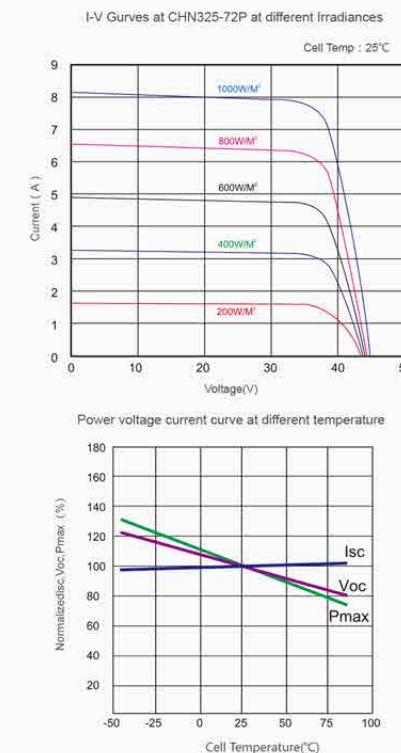
QUALIFICATIONS AND CERTIFICATES



MECHANICAL DRAWINGS



I-V CURVES



MECHANICAL SPECIFICATION

| | |
|-------------------|----------------------------------|
| Cell Type | Poly Crystalline 156.75x156.75mm |
| Number Of Cells | 72 (6x12) |
| Dimensions(AxBxC) | 1950x990x40mm |
| Weights | 23kg |
| Front Glass | 3.2mm Tempered Low Iron Glass |
| Frame | Anodized Aluminum |
| Junction Box | IP68,with Bypass Diodes |
| Connector | Mc4 Compatible |
| Output Cables | Tuv,±length 900mm,4.0mm² |

ELECTRICAL CHARACTERISTICS

| | | | |
|-----------------------------|--------|--------|--------|
| Maximum Power At STC(Pmax) | 320W | 325W | 330W |
| Short Circuit Current(Isc) | 9.03A | 9.10A | 9.22A |
| Open Circuit Voltage(Voc) | 44.6V | 44.9V | 45.5V |
| Maximum Power Current(Imp) | 8.53A | 8.62A | 8.73A |
| Maximum Power Voltage(Vmpp) | 37.5V | 37.7V | 37.8V |
| Module Efficiency | 16.58% | 16.84% | 17.09% |
| Power Tolerance | 0~+3% | 0~+3% | 0~+3% |

STC: 1000W/m2 irradiance, 25°C cell temperature, AM1.5.

NOCT

| | | | |
|-----------------------------|-------|-------|-------|
| Maximum Power At STC(Pmax) | 237.1 | 240.8 | 244.5 |
| Short Circuit Current(Isc) | 7.31 | 7.37 | 7.46 |
| Open Circuit Voltage(Voc) | 41.2 | 41.5 | 42.1 |
| Maximum Power Current(Imp) | 6.87 | 6.92 | 7.02 |
| Maximum Power Voltage(Vmpp) | 34.5 | 34.8 | 34.8 |

NOCT: Irradiance at 800W/m² , Ambient Temperature 20°C , wind speed 1m/s .

SYSTEM INTEGRATION PARAMETERS

| | |
|-------------------------------------|-----------|
| Maximum System Voltage | VDC 1000V |
| Maximum Series Fuse | 15A |
| Increased Snowload Acc.to Iec 61215 | 5400Pa |
| Operating Temperature | -40~+85°C |
| Number Of Bypass Diodes | 3 |

TEMPERATURE CHARACTERISTICS

| | |
|---|-----------|
| Normal Operating Cell Temperature(Noct) | 45°C±2°C |
| Temperature Coefficient Of Pmax | -0.41%/°C |
| Temperature Coefficient Of Voc | -0.33%/°C |
| Temperature Coefficient Of Isc | 0.06%/°C |

PACKING CONFIGURATION

| | | |
|-----------------------|--------|--------|
| Container | 20' GP | 40' GP |
| Pieces Per Pallet | 27 | 27 |
| Pallets Per Container | 10 | 24 |
| Pieces Per Container | 270 | 648 |