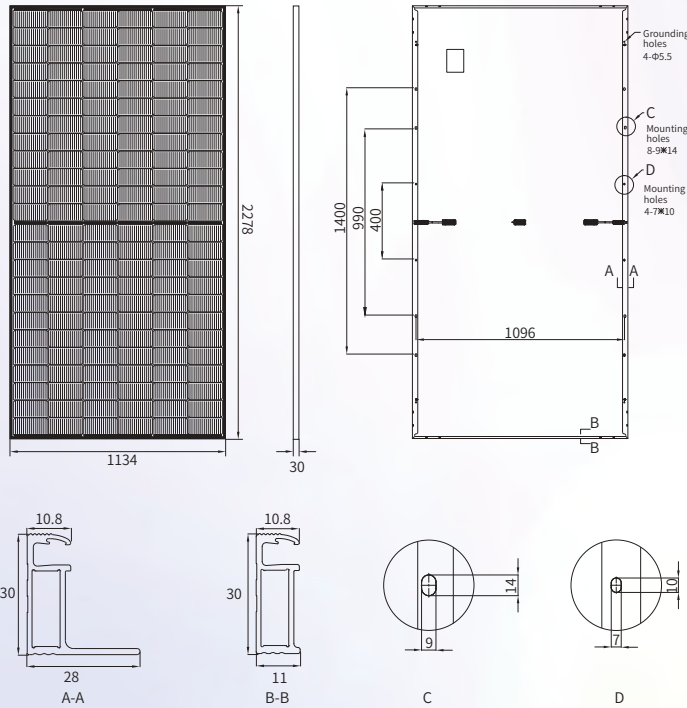


High efficiency N-TOPCon solar module

JNMN144-565~585

ENGINEERING DRAWING



MECHANICAL PARAMETERS

| | |
|---|--------------------------|
| Cell (mm) | 182*91 TOPCon |
| Dimensions (L*W*H) (mm) | 2278*1134*30 |
| Weight (kg) | 27.1 |
| Cable Cross Section Size (mm ²) | 4 |
| No. of Cells & Connections | 144(6*24) |
| No. of Diodes | 3 |
| Frame | Anodized Aluminium Alloy |
| Glass Thickness (mm) | 3.2 |

QUALIFICATION

| | |
|---|-----------|
| Temperature Cycling Range (°C) | -40~+85 |
| Max. Series Fuse Rating (A) | 25 |
| Max.Wind Load/Max.Snow Load (Pa) | 2400/5400 |
| Fire Rating | Class C |
| Junction Box & Connector Protection Grade | IP68 |

TEMPERATURE COEFFICIENTS

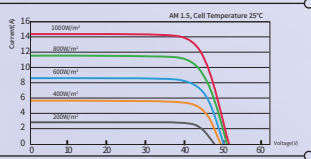
| | |
|---|-----------|
| Nominal Module Operating Temperature (NMOT) | 43±2°C |
| Temperature Coefficient Voltage (Voc) | -0.25%/°C |
| Temperature Coefficient Current (Isc) | 0.045%/°C |
| Temperature Coefficient Power (Pm) | -0.29%/°C |

ELECTRICAL PARAMETERS

| Module Type | (1500V DC) | JNMN144-565 | JNMN144-570 | JNMN144-575 | JNMN144-580 | JNMN144-585 |
|---|-------------------------------|-------------|-------------|-------------|-------------|-------------|
| STC AM1.5 1000W/m ² Cell Temperature 25°C | Max. Power at STC (Pmpp/W) | 565 | 570 | 575 | 580 | 585 |
| | Output Tolerance (W) | 0-+5 | 0-+5 | 0-+5 | 0-+5 | 0-+5 |
| | Max. Power Voltage (Vmp/V) | 42.05 | 42.20 | 42.35 | 42.50 | 42.65 |
| | Max. Power Current (Imp/A) | 13.44 | 13.51 | 13.58 | 13.65 | 13.72 |
| | Open Circuit Voltage (Voc/V) | 50.56 | 50.70 | 50.84 | 50.98 | 51.12 |
| | Short Circuit Current (Isc/A) | 14.06 | 14.14 | 14.22 | 14.30 | 14.38 |
| | Module Efficiency (%) | 21.87 | 22.07 | 22.26 | 22.45 | 22.65 |
| NMOT AM1.5 800W/m ² Ambient Temperature 20°C Wind Speed 1m/s | Max. Power (Pmpp/W) | 431.0 | 434.8 | 438.7 | 442.5 | 446.3 |
| | Max. Power Voltage (Vmp/V) | 40.09 | 40.23 | 40.38 | 40.52 | 40.66 |
| | Max. Power Current (Imp/A) | 10.75 | 10.81 | 10.86 | 10.92 | 10.98 |
| | Open Circuit Voltage (Voc/V) | 48.05 | 48.19 | 48.32 | 48.45 | 48.58 |
| | Short Circuit Current (Isc/A) | 11.33 | 11.39 | 11.46 | 11.52 | 11.59 |

*Measurement tolerance: Pmax: ±3%, Voc: ±3%, Isc: ±5%.

I-V CURVE (575W)



PACKING CONFIGURATION

| | |
|-----------------------|-----|
| Pieces Per Pallet | 36 |
| Pallets Per Container | 20 |
| Pieces Per Container | 720 |

DEFAULT

OPTIONAL

| | | |
|----------------|---|-------------------------------------|
| Connector Type | <input type="checkbox"/> MC4 Compatible | <input type="checkbox"/> MC4 |
| Cable Length | <input type="checkbox"/> 400mm/300mm | <input type="checkbox"/> Customized |
| Frame Color | <input type="checkbox"/> Silver | <input type="checkbox"/> Black |



TUV: IEC/EN 61215, IEC/EN 61730
 GB/T 19001-2016/ ISO 9001:2015
 GB/T 24001-2016/ ISO 14001:2015
 GB/T 45001-2020/ ISO 45001:2018
 CNAS-CL01: ISO/IEC 17025:2017

CAUTION: The electrical parameters in this product datasheet do not refer to only one module. Read safety and installation instructions before using the product. The contents of this specification are for reference only and are subject to change without notice. Jinery reserves the right of final interpretation. JNM-20230901-12.0R © 2023 JINNING CLEAN ENERGY TECHNOLOGY LTD. ALL RIGHTS RESERVED.

12-year Product materials and workmanship quality warranty

| | | |
|--------------|---------------|---------------|
| Output power | | |
| The 1st year | The 12th year | The 30th year |
| ≥99.00% | ≥94.60% | ≥87.40% |

