

M10 Mono Half Cell Module

JF-182DHN7F

560~590W

(Positive power tolerance of 0~+5W)

Key Features



MBB Half Cut Cell With TOPCon Technology



Higher Power Output



Better Low-light Performance



Less Shading Effect



PID Resistance



Enhanced Mechanical Load

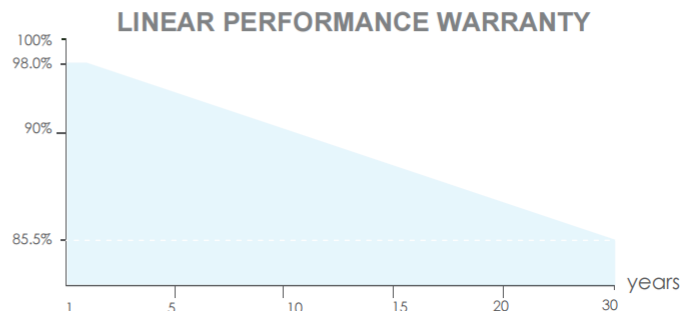
IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System



JF SOLAR



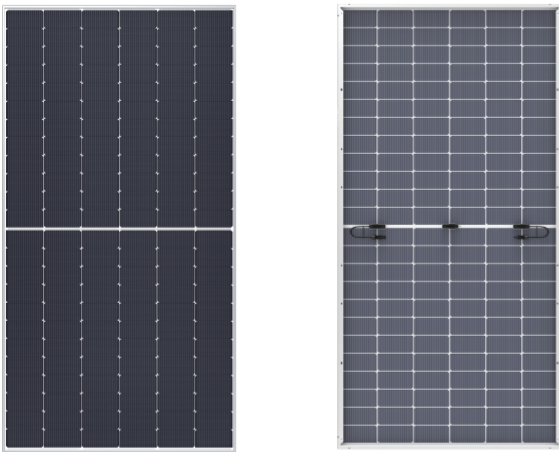
12 year Warranty for Materials and Processing
30 year Warranty for Extra Linear Power Output
-0.5% Annual Degradation Over 30 years



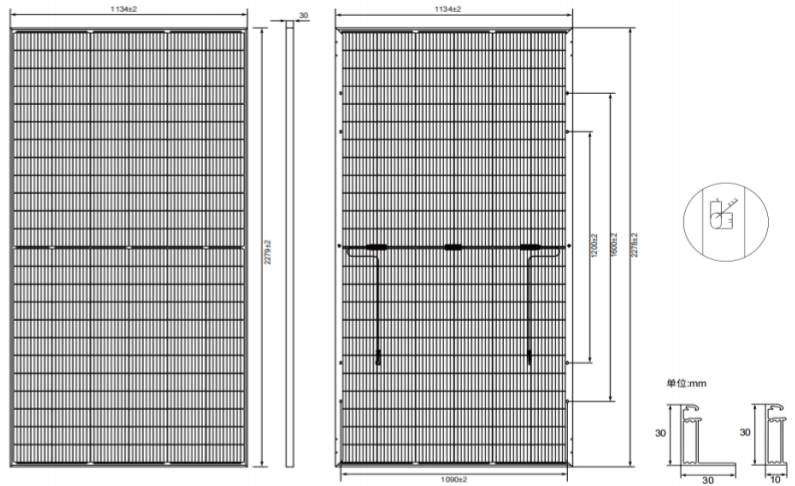
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PHOTOS



ENGINEERING DRAWINGS



Note:mm

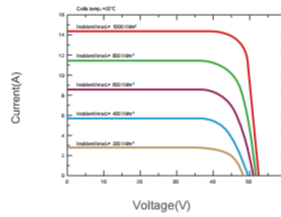
SPECIFICATIONS

(Dimension: 2279*1134*30mm)

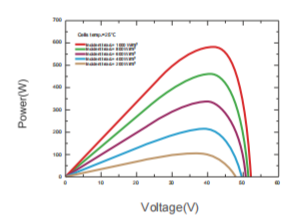
| | |
|-------------------------|-------------------------------------|
| Cell | 6×24 mono solar cell |
| Junction Box | IP≥ 68,TÜV & UL |
| Cable&Connector | 4mm ² ,TS4 / MC4-EVO2 |
| Cable Lenath | 300mm or as customer's requirements |
| Weight | 31.6 kg |
| Packing | 36pcs/pallet |
| Loading Capacity | 720pcs/40HQ |
| Max. Static Load(Front) | 5400Pa |
| Max. Static Load(Back) | 2400Pa |

IV CURVES

Current-Voltage Curve (JF-182DHN7F)



Power-Voltage Curve (JF-182DHN7F)



| Module Type | JF-182DHN7F-560W | | JF-182DHN7F-565W | | JF-182DHN7F-570W | | JF-182DHN7F-575W | | JF-182DHN7F-580W | | JF-182DHN7F-585 | | JF-182DHN7F-590W | |
|---|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|-----------------|-------|------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Test Environment | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (W) | 560 | 422 | 565 | 426 | 570 | 430 | 575 | 433 | 580 | 437 | 585 | 441 | 590 | 445 |
| Open Circuit Voltage (V) | 50.63 | 48.09 | 50.83 | 48.28 | 51.03 | 48.47 | 51.23 | 48.66 | 51.42 | 48.84 | 51.62 | 49.03 | 51.82 | 49.22 |
| Short Circuit Current (A) | 14.06 | 11.35 | 14.12 | 11.39 | 14.18 | 11.44 | 14.24 | 11.49 | 14.31 | 11.55 | 14.38 | 11.61 | 14.45 | 11.67 |
| Maximum Power Voltage (V) | 42.17 | 39.25 | 42.36 | 39.42 | 42.51 | 39.56 | 42.69 | 39.76 | 42.89 | 39.97 | 43.05 | 40.15 | 42.23 | 40.33 |
| Maximum Power Current (A) | 13.28 | 10.75 | 13.34 | 10.80 | 13.41 | 10.86 | 13.47 | 10.90 | 13.53 | 10.94 | 13.59 | 10.98 | 13.65 | 11.02 |
| Module Efficiency (%) | 21.7 | | 21.9 | | 22.1 | | 22.3 | | 22.5 | | 22.6 | | 22.8 | |
| Tolerance | 0~+5W | | | | | | | | | | | | | |
| Maximum System Voltage | 1500V(IEC) | | | | | | | | | | | | | |
| Temp. Coeff. of Voc | -0.270 % / °C | | | | | | | | | | | | | |
| Temp. Coeff. of Isc | 0.048 % / °C | | | | | | | | | | | | | |
| Temp. Coeff. of Pm | -0.350 % / °C | | | | | | | | | | | | | |
| Operational temperature | -40 to + 85 °C | | | | | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2 °C | | | | | | | | | | | | | |
| Max. Series Fuse | 30A | | | | | | | | | | | | | |

STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5
NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s



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