



High Power Output
Low LCOE



Maximum Power
725W+



TWMNF

N-type Half-cell
Bifacial Module(66)

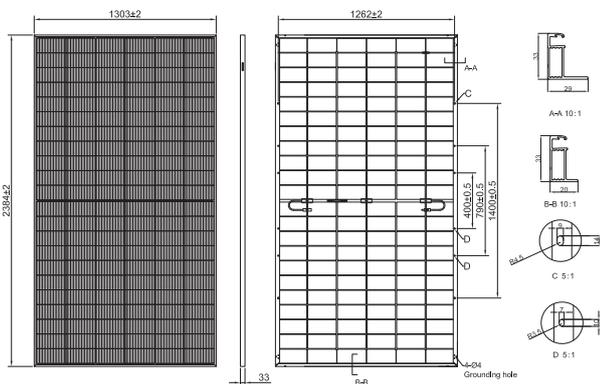
66HD700-725W

<https://en.tongwei.cn/>



Learn More

Drawings (Unit: mm)



Mechanical Parameters

| | |
|------------------|--|
| Cell Type | TNC (N Type Monocrystalline Cell) |
| Cell Orientation | 132[6×22] |
| Dimensions | 2384±2×1303±2×33mm |
| Weight | 37.9kg |
| Front Glass | 2.0mm AR coating semi tempered glass |
| Rear Glass | 2.0mm semi tempered glass |
| Frame | Anodized aluminum alloy frame |
| Junction Box | IP68, 3 diodes |
| Cable | 4.0mm ² |
| Cable length | +400mm,-200mm or±1400mm,length can be customized |
| Wind/Snow load | 2400Pa/5400Pa |
| Per pallet | 33 pcs |
| Packaging | 594 pcs per 40'HC |

Electrical Characteristics (STC)

Module type: TWMNF-66HDXXX

| | | | | | | |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power: Pmax [W] | 700 | 705 | 710 | 715 | 720 | 725 |
| Open Circuit Voltage: Voc [V] | 48.60 | 48.77 | 48.94 | 49.11 | 49.28 | 49.45 |
| Short Circuit Current: Isc [A] | 18.35 | 18.40 | 18.45 | 18.50 | 18.55 | 18.60 |
| Voltage at Maximum Power: Vmp [V] | 40.35 | 40.52 | 40.69 | 40.86 | 41.03 | 41.20 |
| Current at Maximum Power: Imp [A] | 17.35 | 17.40 | 17.45 | 17.50 | 17.55 | 17.60 |
| Module Efficiency: η [%] | 22.5 | 22.7 | 22.9 | 23.0 | 23.2 | 23.3 |

* STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%

Electrical Characteristics (BNPI)

| | | | | | | |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power: Pmax [W] | 772.7 | 778.4 | 783.7 | 789.4 | 794.8 | 800.5 |
| Open Circuit Voltage: Voc [V] | 48.60 | 48.77 | 48.94 | 49.11 | 49.28 | 49.45 |
| Short Circuit Current: Isc [A] | 20.26 | 20.31 | 20.37 | 20.42 | 20.48 | 20.53 |
| Voltage at Maximum Power: Vmp [V] | 40.35 | 40.52 | 40.69 | 40.86 | 41.03 | 41.20 |
| Current at Maximum Power: Imp [A] | 19.15 | 19.21 | 19.26 | 19.32 | 19.37 | 19.43 |

* BNPI: Front side irradiance 1000W/m², Rear side irradiance 135W/m², Cell Temperature=25°C, AM=1.5 Power measurement tolerance:±3%

Electrical characteristics with different rear side power gain

| | | | | | | | |
|-----|--------------------------|------|------|------|------|------|------|
| 5% | Maximum Power: Pmax[W] | 735 | 740 | 745 | 750 | 756 | 761 |
| | Module Efficiency: η [%] | 23.7 | 23.8 | 24.0 | 24.1 | 24.3 | 24.5 |
| 15% | Maximum Power: Pmax[W] | 805 | 810 | 816 | 822 | 828 | 833 |
| | Module Efficiency: η [%] | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 | 26.8 |
| 25% | Maximum Power: Pmax[W] | 875 | 881 | 887 | 893 | 900 | 906 |
| | Module Efficiency: η [%] | 28.2 | 28.4 | 28.6 | 28.7 | 29.0 | 29.2 |

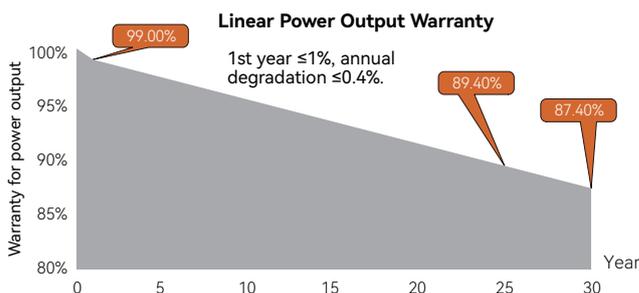
Temperature Rating

| | |
|---------------------------------|------------|
| Temperature Coefficient of Pmax | -0.28%/°C |
| Temperature Coefficient of Voc | -0.24%/°C |
| Temperature Coefficient of Isc | +0.046%/°C |

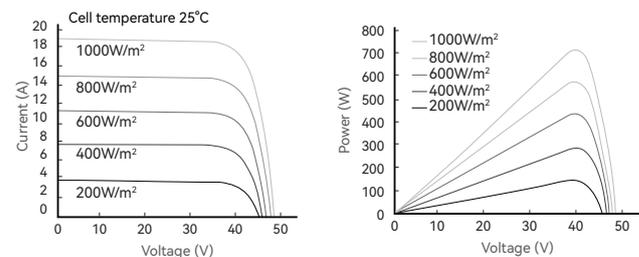
Operating Parameters

| | |
|---------------------------------|-------------|
| Operating Temperature | -40°C~+70°C |
| Maximum System Voltage | 1500V DC |
| Maximum Series Fuse Rating | 35A |
| Power Output Tolerance | 0~+3% |
| Bifaciality coefficient of Pmax | 80±5% |
| Bifaciality coefficient of Voc | 98±5% |
| Bifaciality coefficient of Isc | 80±5% |

Linear Warranty



I-V CURVE



Certifications

Quality Management System and Product Certification

- ISO 9001: 2015/Quality management systems
- ISO 14001: 2015/Environmental management systems
- ISO 45001: 2018/Occupation health and safety management systems
- ISO 50001: 2018/Energy management systems
- IEC 62941: 2019/Quality system for PV module manufacturing
- IEC 61215(2021) / IEC 61730(2023), IEC 62804(PID), IEC 61701(Salt), IEC 62716 (Ammonia), IEC 60068-2-68(Sand)

