





High Power Output  
Low LCOE 

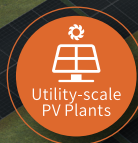
Maximum Power  
725W+ 

# TWMNF

N-type Half-cell  
Monofacial Module (66)

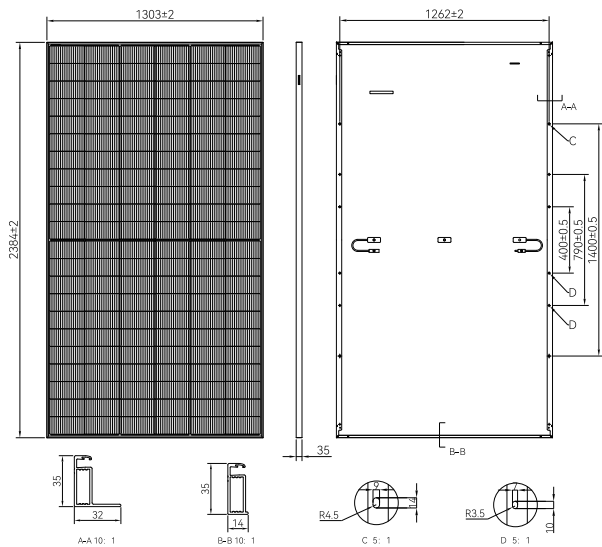
## 66HS700-725W

Tongwei Co.,Ltd.  
<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±2×35mm  |
| Weight           | 32.1kg  |
| Front Glass      | 3.2mm AR coated heat strengthened glass   |
| Backsheet        | White   |
| Frame            | Anodized aluminum alloy frame   |
| Junction Box     | IP68, 3 diodes  |
| Cable            | 4.0mm <sup>2</sup>  |
| Cable length     | +400mm, -200mm or ±1400mm, length can be customized   |
| Connector        | TW-PVCON-01(Tongwei Solar)<br>PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Stäubli)<br>PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Stäubli)<br>PV-ZH202B(Zhonghuan), PV-JK03M2/xy(Jinko) |
| Wind/Snow load   | 2400Pa/5400Pa   |
| Per pallet       | 31pcs   |
| Packaging        | 558pcs per 40'HC  |

**ELECTRICAL CHARACTERISTICS (STC)**

| Module Type:                      | TWMNF-66 HS700 | TWMNF-66 HS705 | TWMNF-66 HS710 | TWMNF-66 HS715 | TWMNF-66 HS720 | TWMNF-66 HS725 |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power: Pmax [W]           | 700            | 705            | 710            | 715            | 720            | 725            |
| Open Circuit Voltage: Voc [V]     | 48.10          | 48.75          | 48.92          | 49.09          | 49.27          | 49.45          |
| Short Circuit Current: Isc [A]    | 18.44          | 18.46          | 18.48          | 18.50          | 18.54          | 18.58          |
| Voltage at Maximum Power: Vmp [V] | 40.30          | 40.45          | 40.62          | 40.79          | 40.96          | 41.13          |
| Current at Maximum Power: Imp [A] | 17.38          | 17.43          | 17.48          | 17.53          | 17.58          | 17.63          |
| Module Efficiency: η [%]          | 22.5           | 22.7           | 22.9           | 23.0           | 23.2           | 23.3           |

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5, Power measurement tolerance: ±3%

**ELECTRICAL CHARACTERISTICS (NMOT)**

|                                   |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power: Pmax [W]           | 526   | 530   | 534   | 538   | 541   | 545   |
| Open Circuit Voltage: Voc [V]     | 45.70 | 46.31 | 46.47 | 46.64 | 46.81 | 46.98 |
| Short Circuit Current: Isc [A]    | 14.89 | 14.90 | 14.92 | 14.94 | 14.97 | 15.00 |
| Voltage at Maximum Power: Vmp [V] | 37.50 | 37.67 | 37.85 | 38.03 | 38.13 | 38.30 |
| Current at Maximum Power: Imp [A] | 14.03 | 14.07 | 14.11 | 14.15 | 14.19 | 14.23 |

\* NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

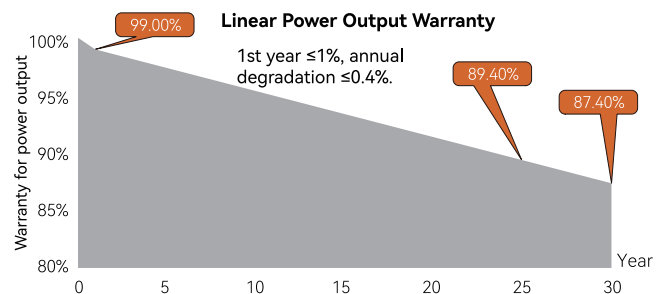
**TEMPERATURE RATING**

|                                |            |
|--------------------------------|------------|
| Temperature Coefficient (Pmax) | -0.28%/°C  |
| Temperature Coefficient (Voc)  | -0.24%/°C  |
| Temperature Coefficient (Isc)  | +0.046%/°C |
| NMOT                           | 45±2°C     |

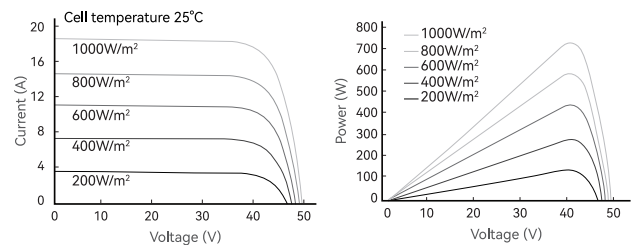
**OPERATING PARAMETERS**

|                            |             |
|----------------------------|-------------|
| Operating Temperature      | -40°C~+70°C |
| Maximum System Voltage     | 1500V DC    |
| Maximum Series Fuse Rating | 30A         |
| Power Selection Tolerance  | 0~+3%       |
| Fire Class Rating          | Class C     |

**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 / Occupational 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)

