



# TWMHF

N-type Half-cell  
Bifacial Module (66)

## 66HD715-740W

High Power Output  
Low LCOE



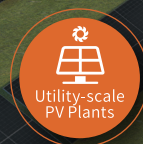
Maximum Power  
740W+



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



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PV Plants



**15**  
YEAR  
Materials  
Warranty



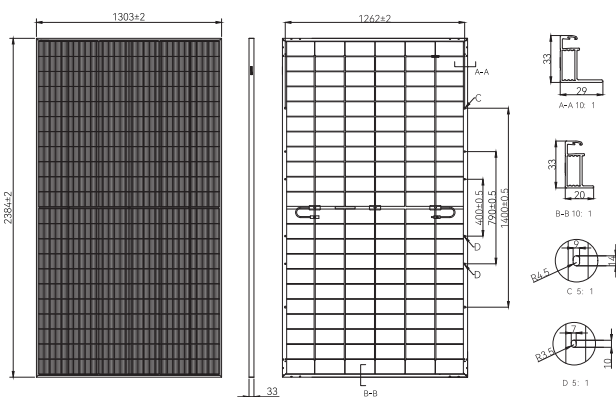
**30**  
YEAR  
Power  
Warranty



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## Drawing(Unit:mm)



## Mechanical Parameters

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Cell Type        | THC(N type Heterojunction Cell)                     |
| Cell Orientation | 132[6×22]                                           |
| Dimensions       | 2384±2×1303±2×33mm                                  |
| Weight           | 37kg                                                |
| Front Glass      | 2.0mm AR coated heat strengthened glass             |
| Rear Glass       | 2.0mm heat strengthened glass                       |
| 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 |
| Wind/Snow load   | 2400Pa/5400Pa                                       |
| Packaging        | 33pcs per pallet, 594pcs per 40'HC                  |

## Electrical Characteristics (STC)

Model type: TWMHF-66HDXXX

|                                   |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power: Pmax [W]           | 715   | 720   | 725   | 730   | 735   | 740   |
| Open Circuit Voltage: Voc [V]     | 50.22 | 50.30 | 50.38 | 50.46 | 50.54 | 50.62 |
| Short Circuit Current: Isc [A]    | 17.98 | 18.08 | 18.18 | 18.28 | 18.37 | 18.47 |
| Voltage at Maximum Power: Vmp [V] | 41.84 | 41.94 | 42.03 | 42.13 | 42.22 | 42.32 |
| Current at Maximum Power: Imp [A] | 17.09 | 17.17 | 17.25 | 17.33 | 17.41 | 17.49 |
| Module Efficiency: η [%]          | 23.0  | 23.2  | 23.3  | 23.5  | 23.7  | 23.8  |

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Electrical Characteristics (NMOT)

|                                   |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power: Pmax [W]           | 545   | 548   | 552   | 556   | 560   | 564   |
| Open Circuit Voltage: Voc [V]     | 48.01 | 48.09 | 48.16 | 48.24 | 48.32 | 48.39 |
| Short Circuit Current: Isc [A]    | 14.50 | 14.58 | 14.66 | 14.74 | 14.81 | 14.89 |
| Voltage at Maximum Power: Vmp [V] | 39.56 | 39.57 | 39.69 | 39.80 | 39.89 | 40.00 |
| Current at Maximum Power: Imp [A] | 13.78 | 13.85 | 13.91 | 13.97 | 14.04 | 14.10 |

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

## Electrical characteristics with different rear side power gain

|     |                          |      |      |      |      |      |      |
|-----|--------------------------|------|------|------|------|------|------|
| 5%  | Maximum Power: Pmax[W]   | 751  | 756  | 761  | 767  | 772  | 777  |
|     | Module Efficiency: η [%] | 24.2 | 24.3 | 24.5 | 24.7 | 24.8 | 25.0 |
| 15% | Maximum Power: Pmax[W]   | 822  | 828  | 834  | 840  | 845  | 851  |
|     | Module Efficiency: η [%] | 26.5 | 26.7 | 26.8 | 27.0 | 27.2 | 27.4 |
| 25% | Maximum Power: Pmax[W]   | 894  | 900  | 906  | 913  | 919  | 925  |
|     | Module Efficiency: η [%] | 28.8 | 29.0 | 29.2 | 29.4 | 29.6 | 29.8 |

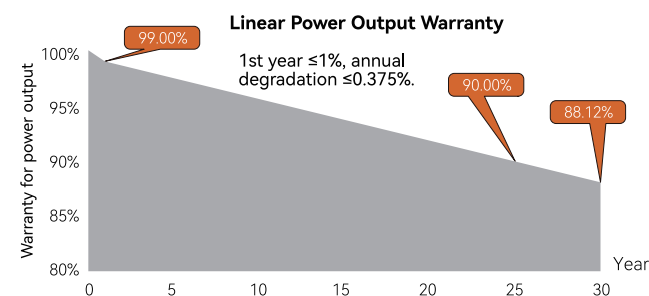
## TEMPERATURE PARAMETERS

|                                |           |
|--------------------------------|-----------|
| Temperature Coefficient (Pmax) | -0.24%/°C |
| Temperature Coefficient (Voc)  | -0.22%/°C |
| Temperature Coefficient (Isc)  | +0.04%/°C |
| NMOT                           | 44±2°C    |

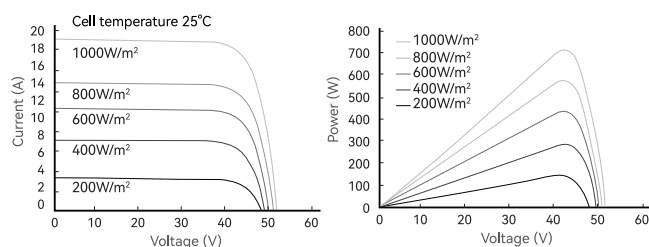
## MAXIMUM RATINGS

|                            |             |
|----------------------------|-------------|
| Operational Temperature    | -40°C~+85°C |
| Maximum System Voltage     | 1500V DC    |
| Maximum Series Fuse Rating | 35A         |
| Power Output Tolerance     | 0~+3%       |
| Bifaciality                | 85±5%       |

## WARRANTY



## I-V CURVE



## CERTIFICATIONS

## Quality Management System and Product Certification

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

