



High Power Output  
Low LCOE



Maximum Power  
735W+

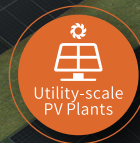


# TWMHF

N-type Half-cell  
Bifacial Module (66)

# 66HD700-735W

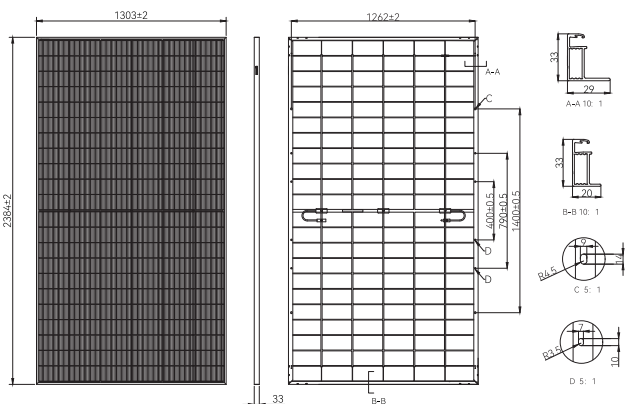
Tongwei Co.,Ltd.  
<https://en.tongwei.cn/>



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**Drawings (Unit: mm)**



**Electrical characteristics (STC)**

Model type:	TWMHF-66 HD700	TWMHF-66 HD705	TWMHF-66 HD710	TWMHF-66 HD715	TWMHF-66 HD720	TWMHF-66 HD725	TWMHF-66 HD730	TWMHF-66 HD735
Maximum Power: Pmax [W]	700	705	710	715	720	725	730	735
Open Circuit Voltage: Voc [V]	49.98	50.06	50.14	50.22	50.30	50.38	50.46	50.54
Short Circuit Current: Isc [A]	17.68	17.78	17.88	17.98	18.08	18.18	18.28	18.37
Voltage at Maximum Power: Vmp [V]	41.55	41.65	41.75	41.84	41.94	42.03	42.13	42.22
Current at Maximum Power: Imp [A]	16.85	16.93	17.01	17.09	17.17	17.25	17.33	17.41
Module Efficiency: η [%]	22.5	22.7	22.9	23.0	23.2	23.3	23.5	23.7

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

**Electrical characteristics (BNPI)**

Maximum Power: Pmax [W]	780.3	785.9	791.6	797.1	802.7	808.2	814.0	819.5
Open Circuit Voltage: Voc [V]	49.98	50.06	50.14	50.22	50.30	50.38	50.46	50.54
Short Circuit Current: Isc [A]	19.71	19.82	19.93	20.04	20.15	20.27	20.38	20.48
Voltage at Maximum Power: Vmp [V]	41.55	41.65	41.75	41.84	41.94	42.03	42.13	42.22
Current at Maximum Power: Imp [A]	18.78	18.87	18.96	19.05	19.14	19.23	19.32	19.41

\* BNPI: Front side Irradiance 1000W/m<sup>2</sup>, Back side irradiance 135W/m<sup>2</sup>, 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	746	751	756	761	767	772
	Module Efficiency: η [%]	23.7	23.8	24.0	24.2	24.3	24.5	24.7	24.8
15%	Maximum Power: Pmax[W]	805	811	817	822	828	834	840	845
	Module Efficiency: η [%]	25.9	26.1	26.3	26.5	26.7	26.8	27.0	27.2
25%	Maximum Power: Pmax[W]	875	881	888	894	900	906	913	919
	Module Efficiency: η [%]	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6

**Temperature rating**

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

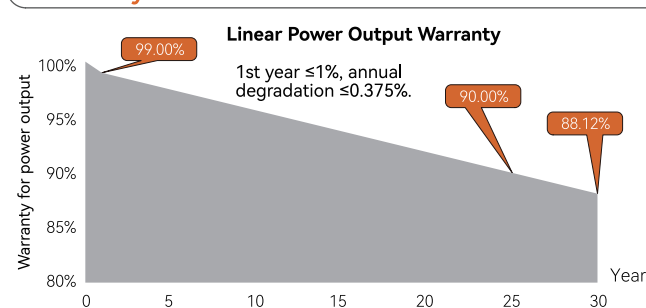
**Operating parameters**

Operating Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of Pmax	85±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	85±5%
Fire Class Rating	Class C

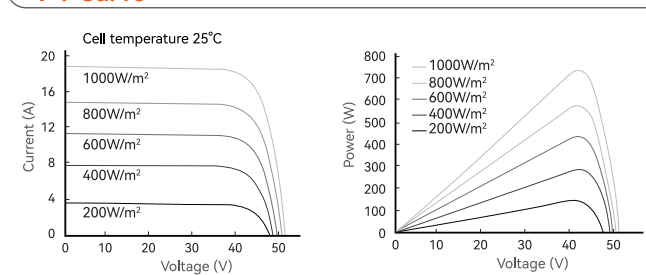
**Mechanical parameters**

Cell Type	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.0kg
Front Glass	2.0mm AR coated heat strengthened glass
Rear Glass	2.0mm heat strengthened glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3diodes
Cable	4.0mm <sup>2</sup>
Cable length	+400mm, -200mm or ±1400mm, length can be customized
Connector	TW-PVCON-01(Tongwei Solar) PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Stäubli) PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Stäubli) PV-ZH202B(Zhonghuan), PV-JK03M2/xy(Jinko)
Wind/Snow load	2400Pa/5400Pa
Per pallet	33pcs
Packaging	594pcs per 40'HC

**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)