



High Power Output
Low LCOE 

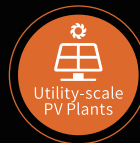
Maximum Power
735W+ 

TWMHF

N-type Half-cell
Bifacial Module (66)

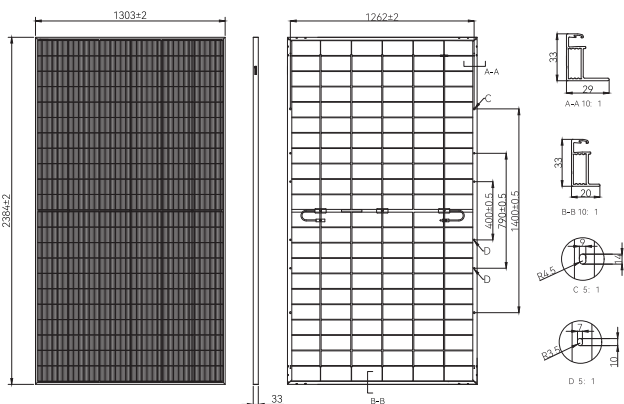
66HD700-735W

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 [%]	22.53	22.70	22.86	23.02	23.18	23.34	23.50	23.66

* STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%, Voc measurement tolerance: ±5%, Isc measurement tolerance: ±5%

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/m², Rear side irradiance 135W/m², Cell Temperature=25°C, AM=1.5
Power measurement tolerance: ±3%, Voc measurement tolerance: ±5%, Isc measurement tolerance: ±5%

Electrical Characteristics (BSI)

Short Circuit Current: Isc [A]	22.19	22.31	22.44	22.56	22.69	22.82	22.94	23.05
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* BSI: Front side irradiance 1000W/m², Rear side irradiance 300W/m², Cell Temperature=25°C, AM=1.5
Isc measurement tolerance: ±5%

Electrical characteristics with different rear side power gain

	Maximum Power: Pmax[W]	735	740	746	751	756	761	767	772
5%	Module Efficiency: η [%]	23.66	23.82	24.02	24.18	24.34	24.50	24.69	24.85
15%	Maximum Power: Pmax[W]	805	811	817	822	828	834	840	845
	Module Efficiency: η [%]	25.91	26.11	26.30	26.46	26.66	26.85	27.04	27.20
25%	Maximum Power: Pmax[W]	875	881	888	894	900	906	913	919
	Module Efficiency: η [%]	28.17	28.36	28.59	28.78	28.97	29.17	29.39	29.58

Temperature rating

Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C

Operating parameters

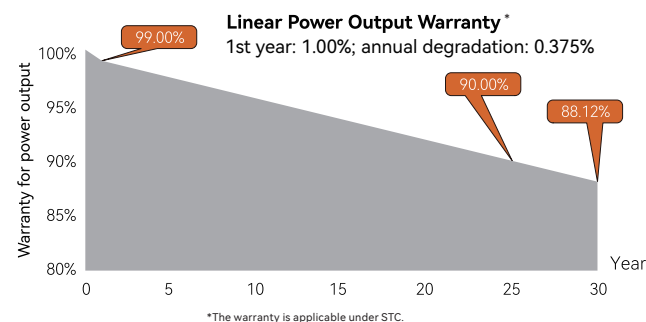
Operating Temperature*	[T ₉₈] ≤ 70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of Pmax	85±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	85±5%
Fire Class Rating	Class C

*The module operating temperature can reach up to 85°C for short term.

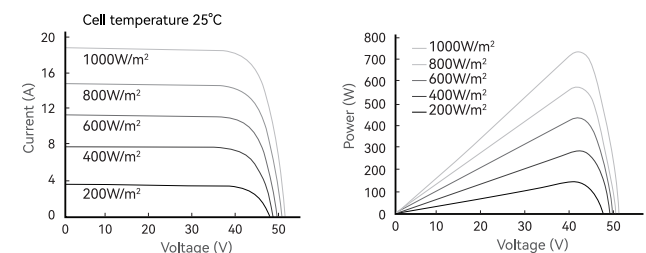
Mechanical parameters

Cell Type	THC
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.0kg
Front Glass	2.0 mm AR coating semi tempered glass
Rear Glass	2.0 mm semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3diodes
Cable	4.0mm ²
Cable length	+400mm, -200mm or ±1400mm, length can be customized
Connector	TW-PVCON-01, TW-PVCON-02(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)
Wind/Snow load	5400Pa (positive) / 2400Pa (negative)
Per pallet	33pcs
Packaging	594pcs per 40'HC

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 / Occupational Health and Safety Management System
 ISO 50001: 2018 / Energy Management System
 IEC 62941: 2019 / Quality System for PV Module Manufacturing
 IEC 61215 (2021) / IEC 61730 (2023), IEC TS 62804,
 IEC 61701, IEC 62716, IEC 60068-2-68

