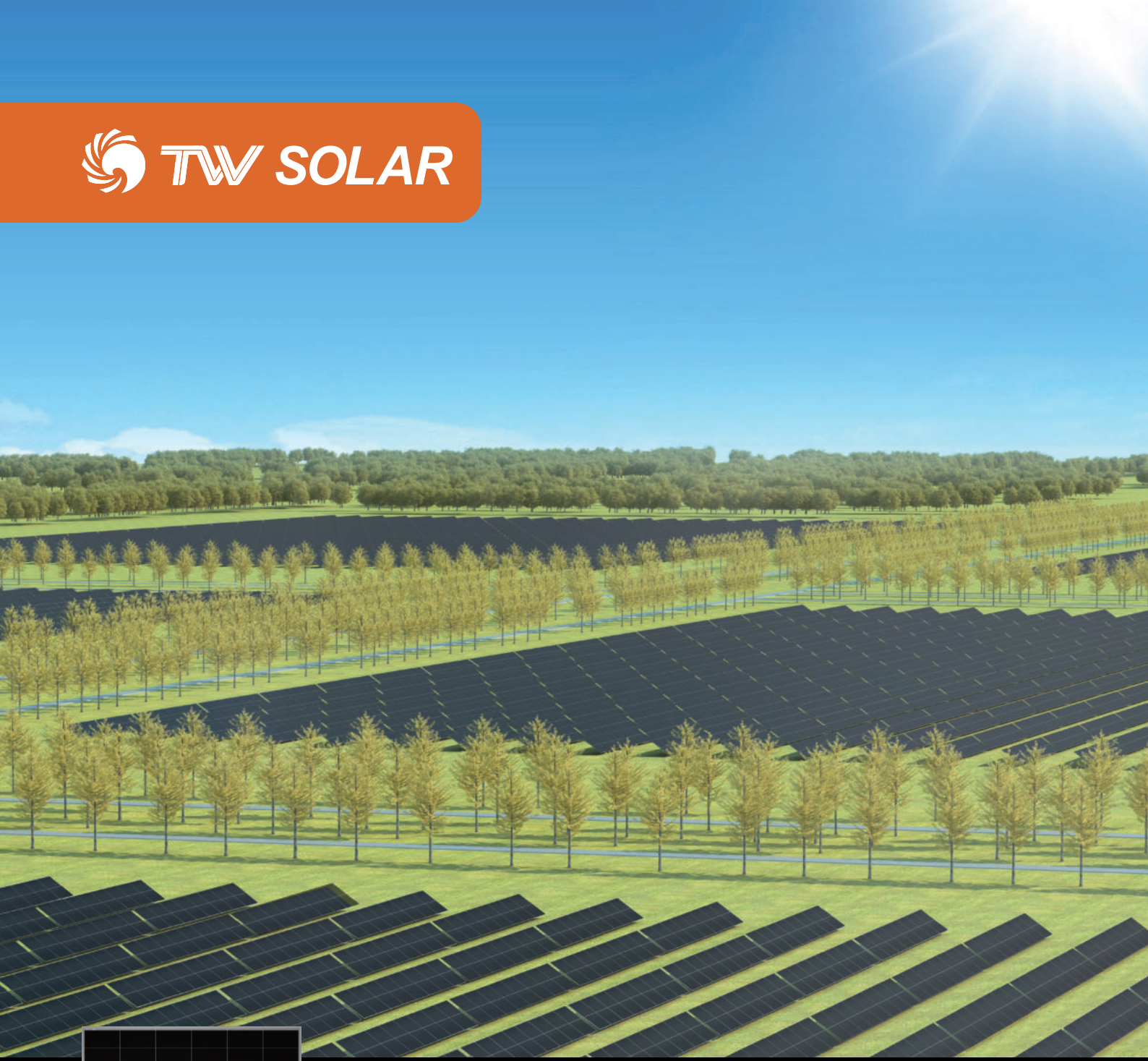
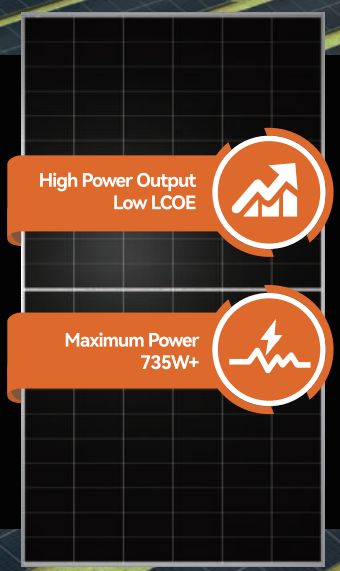
TW SOLAR





TWMHF

N-type Half-cell Bifacial Module (66)

66HD700-735W

Certisolis Carbon footprint

TIER 1 Bloomberg NEW ENERGY FINANCE

Utility-scale PV Plants

15 YEAR Materials Warranty

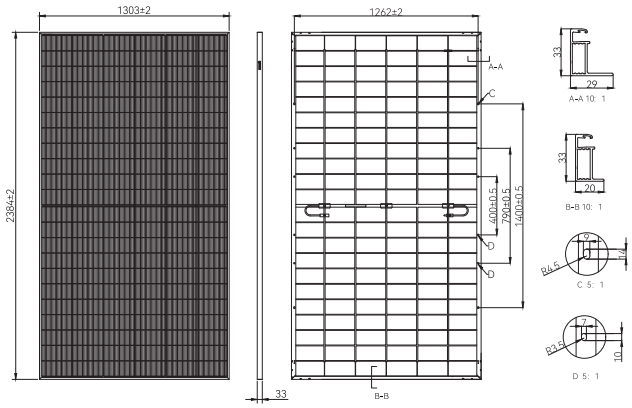
30 YEAR Power Warranty

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

Learn More

TWMHF N-type Half-cell Bifacial Module (66)

Drawings (Unit: mm)



Electrical characteristics (STC)

Modul 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℃, 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℃, 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

* BSI: Front side irradiance 1000W/m², Rear side irradiance 300W/m²,Cell Temperature=25℃, AM=1.5 Isc measurement tolerance: ±5%

Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	735	740	746	751	756	761	767	772
	Module Efficiency: η [%]	23.66	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%/℃
Temperature Coefficient of Voc	-0.22%/℃
Temperature Coefficient of Isc	+0.04%/℃

Operating parameters

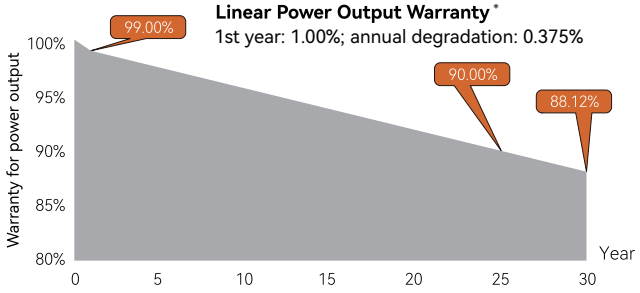
Operating Temperature*	[T_{98}]≤70℃
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of Pmax	85±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	85±5%
Fire Class Rating	Class C

*The module operating temperature can reach up to 85℃ for shor term.

Mechanical parameters

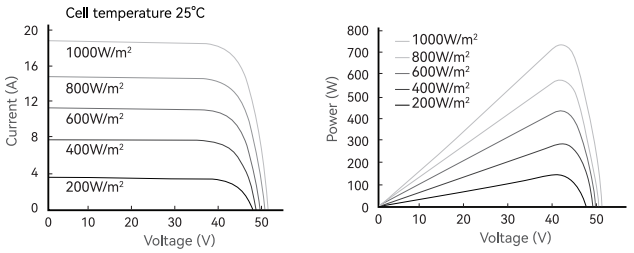
Cell Type	THC
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.0kg
Front Glass	2.0 mm AR coating semi tempered glass
Rear Glass	2.0 mm semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3diodes
Cable	4.0mm²
Cable length	+400mm, -200mm or ±1400mm, length can be 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



*The warranty is applicable under STC.

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

CE (Europe) CQC(China) TÜV NORD MCS (UK) KS (Korea) INMETRO (Brazil) JPEA (Japan) CSI (Italy)

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Statement: With technological process and product update, there maybe deviation between the technical parameters of Tongwei's module products and the technical parameters contained in the specification, and Tongwei Solar has the right to adjust the technical parameters at any time without notifying the customer, the final interpretation of the technical specification is vested in Tongwei Solar. (AUS-Ver.20241126)
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