TW SOLAR



TWMNF

N-type Half-cell Bifacial Module (66)

66HD700-725W

Utility-scale PV Plants

12 YEAR Materials Warranty

30 YEAR Power Warranty

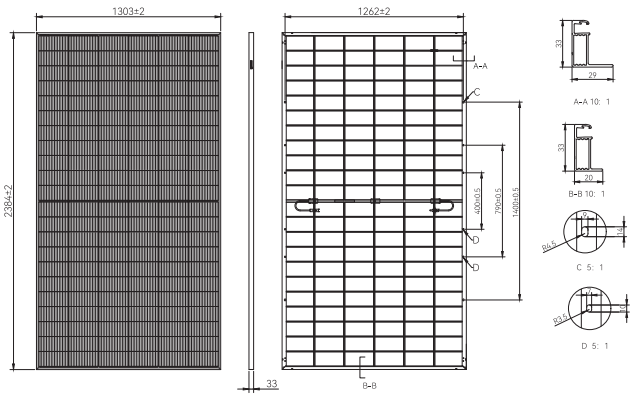
Tongwei Co.,Ltd.
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TWMNF N-type Half-cell Bifacial Module (66)

66HD700-725W

Drawings (Unit: mm)



Electrical characteristics (STC)

Moduel type:	TWMNF-66 HD700	TWMNF-66 HD705	TWMNF-66 HD710	TWMNF-66 HD715	TWMNF-66 HD720	TWMNF-66 HD725
Maximum Power: Pmax [W]	700	705	710	715	720	725
Open Circuit Voltage: Voc [V]	48.60	48.77	48.94	49.11	49.28	49.45
Short Circuit Current: Isc [A]	18.35	18.40	18.45	18.50	18.55	18.60
Voltage at Maximum Power: Vmp [V]	40.35	40.52	40.69	40.86	41.03	41.20
Current at Maximum Power: Imp [A]	17.35	17.40	17.45	17.50	17.55	17.60
Module Efficiency: η [%]	22.5	22.7	22.9	23.0	23.2	23.3

* STC: Irradiance 1000W/m², Cell Temperature 25℃, AM=1.5, Power measurement tolerance: ±3%

Electrical characteristics (BNPI)

Maximum Power: Pmax [W]	772.7	778.4	783.7	789.4	794.8	800.5
Open Circuit Voltage: Voc [V]	48.60	48.77	48.94	49.11	49.28	49.45
Short Circuit Current: Isc [A]	20.26	20.31	20.37	20.42	20.48	20.53
Voltage at Maximum Power: Vmp [V]	40.35	40.52	40.69	40.86	41.03	41.20
Current at Maximum Power: Imp [A]	19.15	19.21	19.26	19.32	19.37	19.43

* BNPI: Front side Irradiance 1000W/m², Back side irradiance 135W/m², Cell Temperature=25℃, AM=1.5, Power measurement tolerance: ±3%

Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	735	740	745	750	756	761
	Module Efficiency: η [%]	23.7	23.8	24.0	24.1	24.3	24.5
15%	Maximum Power: Pmax[W]	805	810	816	822	828	833
	Module Efficiency: η [%]	25.9	26.1	26.3	26.5	26.7	26.8
25%	Maximum Power: Pmax[W]	875	881	887	893	900	906
	Module Efficiency: η [%]	28.2	28.4	28.6	28.7	29.0	29.2

Temperature rating

Temperature Coefficient of Pmax	-0.28%/℃
Temperature Coefficient of Voc	-0.24%/℃
Temperature Coefficient of Isc	+0.046%/℃
NMOT	45±2℃

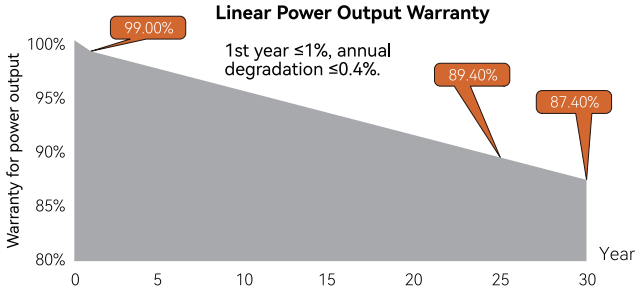
Operating parameters

Operating Temperature	-40℃~+70℃
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of Pmax	80±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	80±5%
Fire Class Rating	Class C

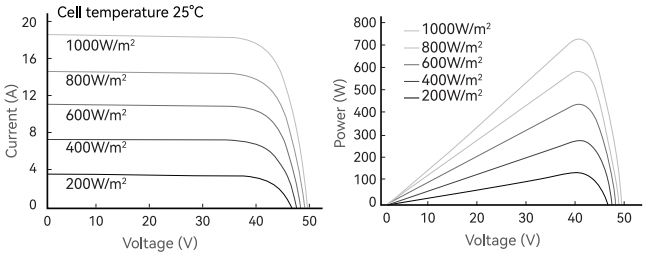
Mechanical parameters

Cell Type	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.9kg
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	4.0mm²
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)

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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. (AU-20241126) Made in China