



High Power Output
Low LCOE



Maximum Power
740W

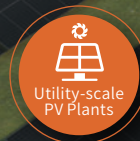


TWMNF

N-type Half-cell
Bifacial Module (66)

66HD700-740W

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



Utility-scale
PV Plants



12
YEAR
Materials
Warranty

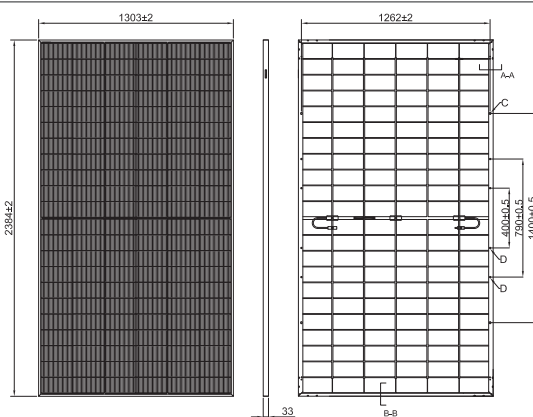


30
YEAR
Power
Warranty



Learn More

Drawings (Unit: mm)



Electrical characteristics (STC)

Module type:	TWMNF-66HD700	TWMNF-66HD705	TWMNF-66HD710	TWMNF-66HD715	TWMNF-66HD720
Maximum Power: P _{max} [W]	700	705	710	715	720
Open Circuit Voltage: V _{oc} [V]	48.60	48.77	48.94	49.11	49.28
Short Circuit Current: I _{sc} [A]	18.35	18.40	18.45	18.50	18.55
Voltage at Maximum Power: V _{mp} [V]	40.35	40.52	40.69	40.86	41.03
Current at Maximum Power: I _{mp} [A]	17.35	17.40	17.45	17.50	17.55
Module Efficiency: η [%]	22.5	22.7	22.9	23.0	23.2

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

Electrical characteristics (BNPI)

Maximum Power: P _{max} [W]	772.7	778.4	783.7	789.4	794.8
Open Circuit Voltage: V _{oc} [V]	48.60	48.77	48.94	49.11	49.28
Short Circuit Current: I _{sc} [A]	20.26	20.31	20.37	20.42	20.48
Voltage at Maximum Power: V _{mp} [V]	40.35	40.52	40.69	40.86	41.03
Current at Maximum Power: I _{mp} [A]	19.15	19.21	19.26	19.32	19.37

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

Electrical characteristics with different rear side power gain

5%	Maximum Power: P _{max} [W]	735	740	745	750	756
	Module Efficiency: η [%]	23.7	23.8	24.0	24.1	24.3
15%	Maximum Power: P _{max} [W]	805	810	816	822	828
	Module Efficiency: η [%]	25.9	26.1	26.3	26.5	26.7
25%	Maximum Power: P _{max} [W]	875	881	887	893	900
	Module Efficiency: η [%]	28.2	28.4	28.6	28.7	29.0

Temperature rating

Temperature Coefficient of P _{max}	-0.28%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

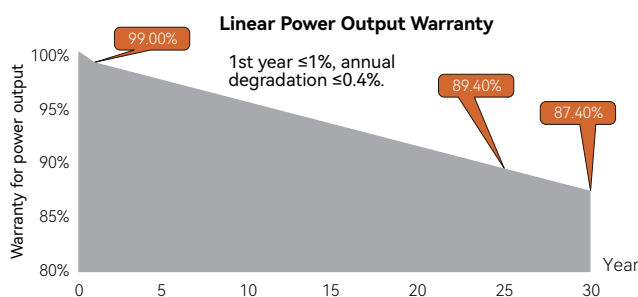
Operating parameters

Operating Temperature	-40°C~+70°C
Module [T ₉₈] max	70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of P _{max}	80±5%
Bifaciality coefficient of V _{oc}	98±5%
Bifaciality coefficient of I _{sc}	80±5%
Fire Class Rating	Class C

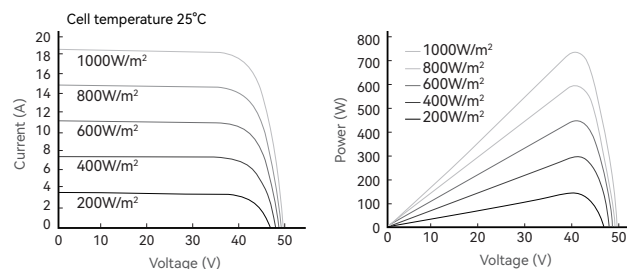
Mechanical parameters

Cell Type	TNC2.0 (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.3kg
Front Glass	2.0mm AR coating semi tempered glass
Rear Glass	2.0mm 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(Tongwei Solar) PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Staubli) PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Staubli) PV-ZH202B(Zhejiang Zhonghuan Sunter)
Max static test load	Front side 5400Pa,Rear side 2400Pa
Per pallet	33pcs
Packaging	594pcs per 40'HC

Warranty



I-V Curve



Certifications

Quality Management System and Product Certification

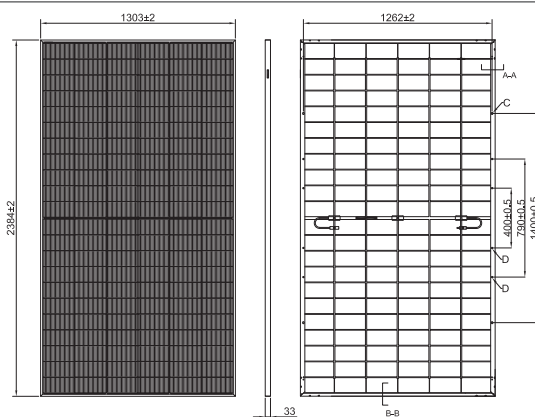
ISO 9001: 2015 / Quality management systems
ISO 14001: 2015 / Environmental management systems
ISO 45001: 2018 / Occupational health and safety management systems
ISO 50001: 2018 / Energy management systems
IEC 62941: 2019 / Quality system for PV module manufacturing
IEC 61215(2021) / IEC 61730(2023)



Email: sales@tongwei.com Website: <https://en.tongwei.cn/> Add: No.588, Middle Section Tianfu Avenue, High-Tech Zone, Chengdu, China (Sichuan) Pilot Free Trade Zone Tel: +86-028-60707985

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. (TNC2.0-AU-20250523) Made in China

Drawings (Unit: mm)



Electrical characteristics (STC)

Module type:	TWMNF-66HD725	TWMNF-66HD730	TWMNF-66HD735	TWMNF-66HD740
Maximum Power: P _{max} [W]	725	730	735	740
Open Circuit Voltage: V _{oc} [V]	49.45	49.55	49.65	49.80
Short Circuit Current: I _{sc} [A]	18.60	18.68	18.75	18.81
Voltage at Maximum Power: V _{mp} [V]	41.20	41.37	41.53	41.69
Current at Maximum Power: I _{mp} [A]	17.60	17.65	17.70	17.75
Module Efficiency: η [%]	23.3	23.5	23.7	23.8

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

Electrical characteristics (BNPI)

Maximum Power: P _{max} [W]	800.5	805.9	811.5	817.1
Open Circuit Voltage: V _{oc} [V]	49.45	49.55	49.65	49.80
Short Circuit Current: I _{sc} [A]	20.53	20.62	20.70	20.77
Voltage at Maximum Power: V _{mp} [V]	41.20	41.37	41.53	41.69
Current at Maximum Power: I _{mp} [A]	19.43	19.48	19.54	19.60

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

Electrical characteristics with different rear side power gain

5%	Maximum Power: P _{max} [W]	761	766	771	777
	Module Efficiency: η [%]	24.5	24.7	24.8	25.0
15%	Maximum Power: P _{max} [W]	833	839	845	851
	Module Efficiency: η [%]	26.8	27.0	27.2	27.4
25%	Maximum Power: P _{max} [W]	906	912	918	925
	Module Efficiency: η [%]	29.2	29.4	29.6	29.8

Temperature rating

Temperature Coefficient of P _{max}	-0.28%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

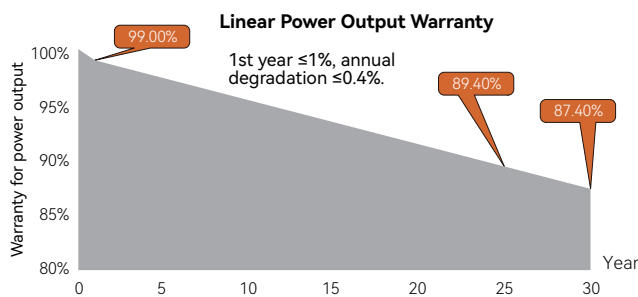
Operating parameters

Operating Temperature	-40°C~+70°C
Module [T ₉₈] max	70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Selection Tolerance	0~+3%
Bifaciality coefficient of P _{max}	80±5%
Bifaciality coefficient of V _{oc}	98±5%
Bifaciality coefficient of I _{sc}	80±5%
Fire Class Rating	Class C

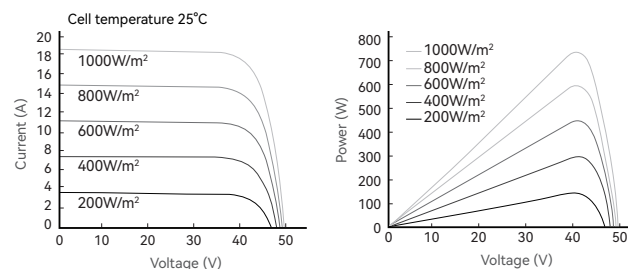
Mechanical parameters

Cell Type	TNC2.0 (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.3kg
Front Glass	2.0mm AR coating semi tempered glass
Rear Glass	2.0mm 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(Tongwei Solar) PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Staubli) PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Staubli) PV-ZH202B(Zhejiang Zhonghuan Sunter)
Max static test load	Front side 5400Pa,Rear side 2400Pa
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)



Email: sales@tongwei.com Website: <https://en.tongwei.cn/> Add: No.588, Middle Section Tianfu Avenue, High-Tech Zone, Chengdu, China (Sichuan) Pilot Free Trade Zone Tel: +86-028-60707985

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. (TNC2.0-AU-20250523) Made in China