

High Power Output
Low LCOE 

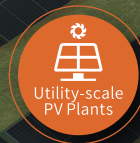
Maximum Power
725W+ 

TWMNF

N-type Half-cell
Bifacial Module (66)

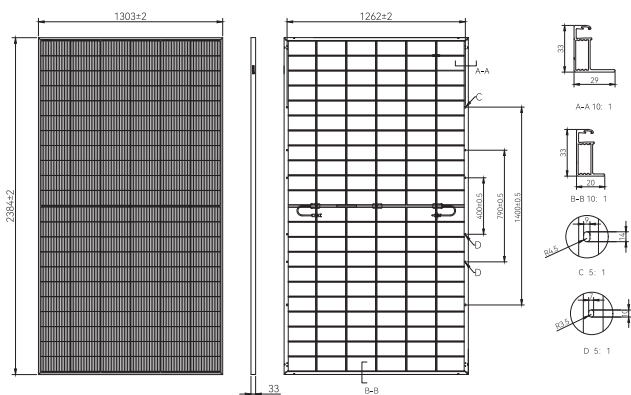
66HD700-725W

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



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Drawings (Unit: mm)



Electrical characteristics (STC)

Model 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°C, 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°C, 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%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.046%/°C
NMOT	45±2°C

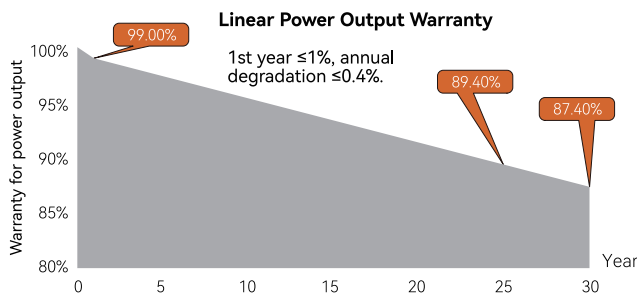
Operating parameters

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	80±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	80±5%
Fire Class Rating	Class C

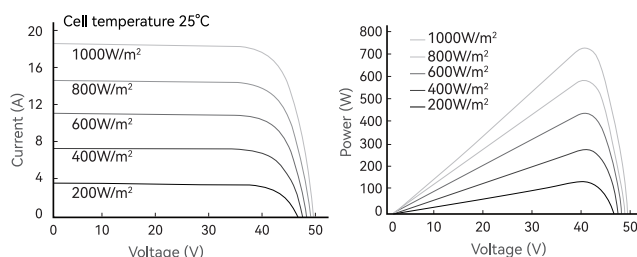
Mechanical parameters

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	4.0mm 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(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)

