

High Power Output
Low LCOE 

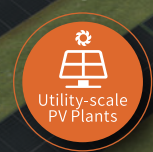
Maximum Power
720W+ 

TWMNF

N-type Half-cell
Bifacial Module(66)

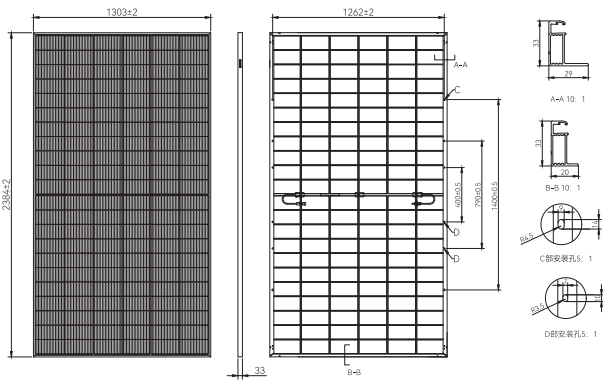
66HD700-720W

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DRAWINGS (Unit: mm)



MECHANICAL PARAMETERS

Cells	TNC(N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimension	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, 3 diodes
Output Cable	4.0mm ²
Cable Length	+400mm, -200mm or ±1400mm,length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	33pcs per pallet, 594pcs per 40'HC

Electrical Characteristics (STC)

Moduel type: TWMNF-66HDXXX

Maximum Power: Pmax [W]	700	705	710	715	720
Open Circuit Voltage: Voc [V]	48.60	48.77	48.94	49.11	49.28
Short Circuit Current: Isc [A]	18.35	18.40	18.45	18.50	18.55
Voltage at Maximum Power: Vmp [V]	40.35	40.52	40.69	40.86	41.03
Current at Maximum Power: Imp [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

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	526	530	534	538	541
Open Circuit Voltage: Voc [V]	46.17	46.33	46.49	46.65	46.82
Short Circuit Current: Isc [A]	14.82	14.86	14.90	14.94	14.98
Voltage at Maximum Power: Vmp [V]	37.55	37.73	37.90	38.08	38.18
Current at Maximum Power: Imp [A]	14.01	14.05	14.09	14.13	14.17

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

ELECTRICAL CHARACTERISTICS (Rear Power Gain)

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

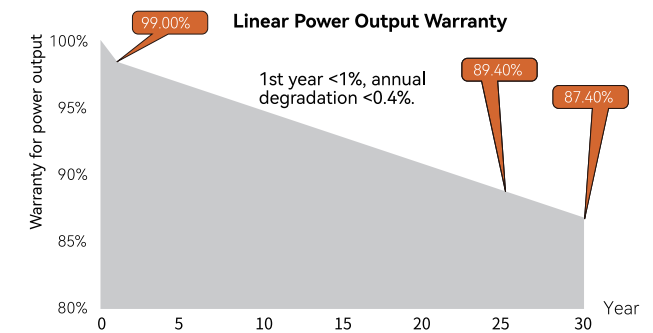
TEMPERATURE PARAMETERS

Temperature Coefficient (Pmax)	-0.28%/°C
Temperature Coefficient (Voc)	-0.24%/°C
Temperature Coefficient (Isc)	+0.046%/°C
NMOT	45±2°C

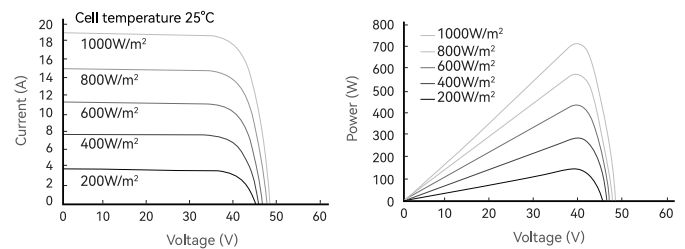
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality	80±5%

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/Occupation health safety management system
- ISO 50001: 2018/Energy management system
- IEC 62941: 2019/Quality system for PV module manufacturing
- IEC 61215/61730, IEC 62804(PID), IEC 61701(Salt), IEC 62716 (Ammonia), IEC 60068-2-68(Sand)

