



TWMHF

N-type Half-cell
Bifacial Module (66)

66HD700-720W

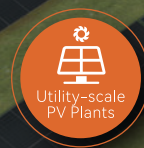
High Power Output
Low LCOE



Maximum Power
720W+



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Utility-scale
PV Plants



15
YEAR
Materials
Warranty

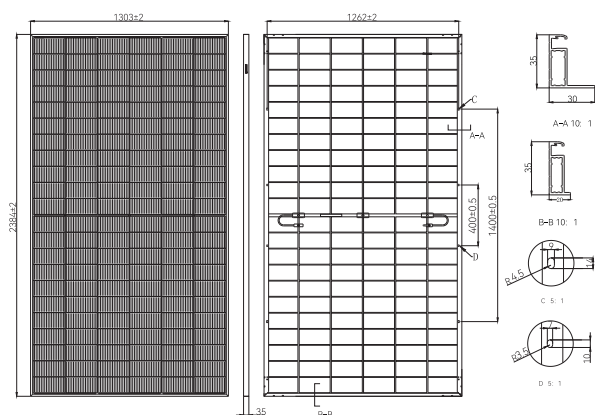


30
YEAR
Power
Warranty



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DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TWMHF-66HDXXX					
Maximum Power: Pmax [W]	700	705	710	715	720
Open Circuit Voltage: Voc [V]	50.14	50.29	50.44	50.59	50.74
Short Circuit Current: Isc [A]	17.45	17.51	17.57	17.63	17.69
Voltage at Maximum Power: Vmp [V]	42.17	42.32	42.47	42.62	42.76
Current at Maximum Power: Imp [A]	16.60	16.66	16.72	16.78	16.84
Module Efficiency: η [%]	22.5	22.7	22.9	23.0	23.2

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5, Measuring Tolerance: $\pm 3\%$

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: Pmax [W]	532	536	540	544	548
Open Circuit Voltage: Voc [V]	47.85	47.99	48.13	48.28	48.42
Short Circuit Current: Isc [A]	14.07	14.11	14.16	14.21	14.26
Voltage at Maximum Power: Vmp [V]	39.88	40.01	40.14	40.28	40.41
Current at Maximum Power: Imp [A]	13.35	13.40	13.45	13.50	13.55

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

ELECTRICAL CHARACTERISTICS (Rear Power Gain)

5%	Maximum Power: Pmax[W]	735	740	746	751	756
	Module Efficiency: η [%]	23.7	23.8	24.0	24.2	24.3
15%	Maximum Power: Pmax[W]	805	811	817	822	828
	Module Efficiency: η [%]	25.9	26.1	26.3	26.5	26.7
25%	Maximum Power: Pmax[W]	875	881	888	894	900
	Module Efficiency: η [%]	28.2	28.4	28.6	28.8	29.0

TEMPERATURE PARAMETERS

Temperature Coefficient (Pmax)	-0.24%/°C
Temperature Coefficient (Voc)	-0.22%/°C
Temperature Coefficient (Isc)	+0.04%/°C
NMOT	44±2°C

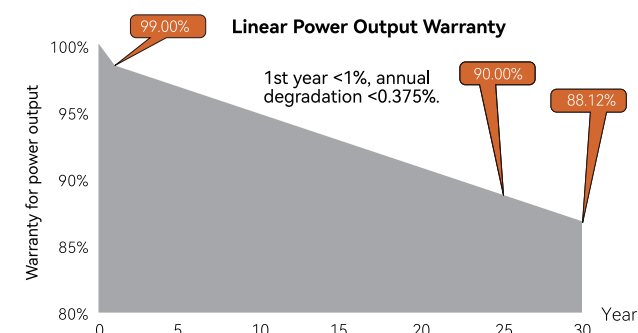
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality	90±5%

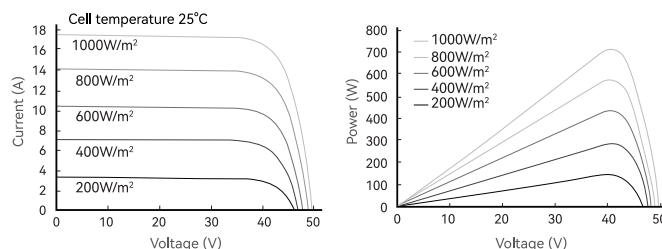
MECHANICAL PARAMETERS

Cells	THC (N Type Heterojunction Cell)
Cell Orientation	132[6×22]
Dimension	2384±2×1303±2×35mm
Weight	37.5kg
Front Glass	2.0mm high transmittance, AR tempered glass
Rear Glass	2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Output Cable	4.0mm ²
Cable Length	+400mm, -200mm, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 558pcs per 40'HC

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)

