



TWMHF

N-type Half-cell
Bifacial Module (66)

66HD715-740W

High Power Output
Low LCOE



Maximum Power
740W+



TIER 1
Bloomberg
NEW ENERGY FINANCE

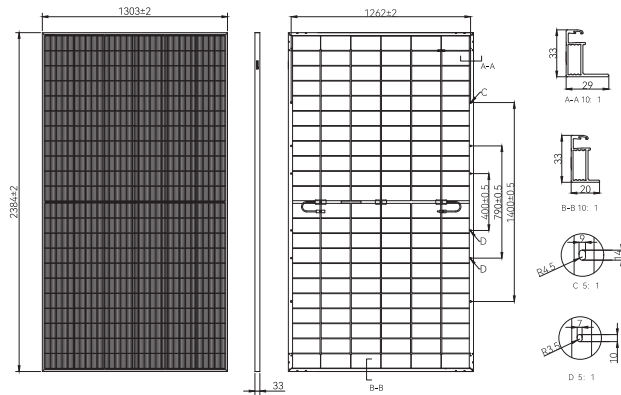


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Drawing(Unit:mm)



Electrical Characteristics (STC)

Model type: TWMHF-66HDXXX

Maximum Power: Pmax [W]	715	720	725	730	735	740
Open Circuit Voltage: Voc [V]	50.22	50.30	50.38	50.46	50.54	50.62
Short Circuit Current: Isc [A]	17.98	18.08	18.18	18.28	18.37	18.47
Voltage at Maximum Power: Vmp [V]	41.84	41.94	42.03	42.13	42.22	42.32
Current at Maximum Power: Imp [A]	17.09	17.17	17.25	17.33	17.41	17.49
Module Efficiency: η [%]	23.0	23.2	23.3	23.5	23.7	23.8

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	545	548	552	556	560	564
Open Circuit Voltage: Voc [V]	48.01	48.09	48.16	48.24	48.32	48.39
Short Circuit Current: Isc [A]	14.50	14.58	14.66	14.74	14.81	14.89
Voltage at Maximum Power: Vmp [V]	39.56	39.57	39.69	39.80	39.89	40.00
Current at Maximum Power: Imp [A]	13.78	13.85	13.91	13.97	14.04	14.10

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

Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	751	756	761	767	772	777
	Module Efficiency: η [%]	24.2	24.3	24.5	24.7	24.8	25.0
15%	Maximum Power: Pmax[W]	822	828	834	840	845	851
	Module Efficiency: η [%]	26.5	26.7	26.8	27.0	27.2	27.4
25%	Maximum Power: Pmax[W]	894	900	906	913	919	925
	Module Efficiency: η [%]	28.8	29.0	29.2	29.4	29.6	29.8

TEMPERATURE PARAMETERS

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

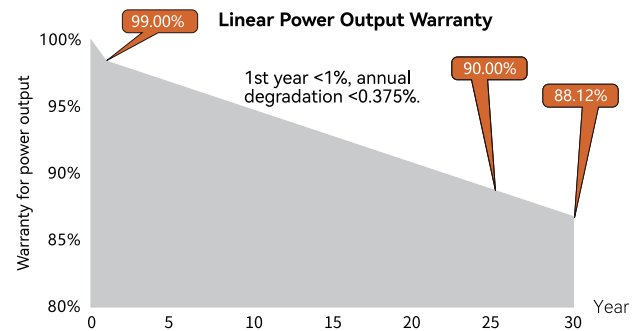
MAXIMUM RATINGS

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

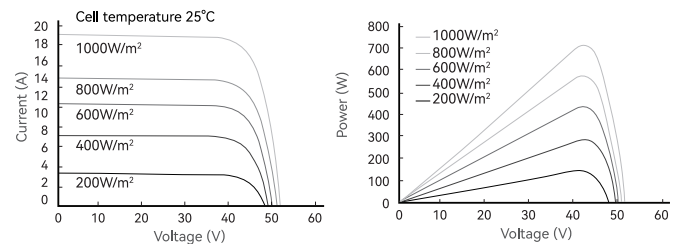
Mechanical Parameters

Cell Type	THC(N type Heterojunction Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.5kg
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
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

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)

