



High Power Output  
Low LCOE 

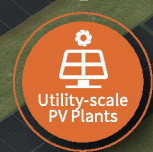
Maximum Power  
715W+ 

# TWMHF

N-type Half-cell  
Bifacial Module (66)

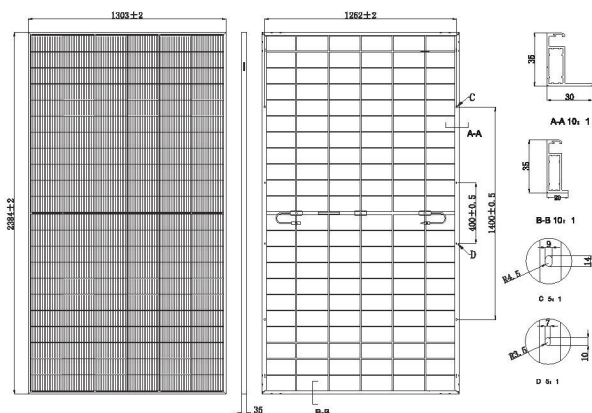
## 66HD695-715W

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**DRAWINGS (Unit: mm)**



**MECHANICAL PARAMETERS**

Cells	THC (N type Heterojunction Cell)
Cell Orientation	132[6X22]
Dimension	2384±2X1303±2X35mm
Weight	38.7kg
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 <sup>2</sup>
Cable Length	+400mm, -200mm, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 558pcs per 40'HC

**ELECTRICAL CHARACTERISTICS (STC)**

Module Type: TWMHF-66HDXXX

Maximum Power: Pmax [W]	695	700	705	710	715
Open Circuit Voltage: Voc [V]	49.99	50.14	50.29	50.44	50.59
Short Circuit Current: Isc [A]	17.39	17.45	17.51	17.57	17.63
Voltage at Maximum Power: Vmp [V]	42.02	42.17	42.32	42.47	42.62
Current at Maximum Power: Imp [A]	16.54	16.60	16.66	16.72	16.78
Module Efficiency: η [%]	22.4	22.5	22.7	22.9	23.0

**ELECTRICAL CHARACTERISTICS (NMOT)**

Maximum Power: Pmax [W]	529	532	536	540	544
Open Circuit Voltage: Voc [V]	47.70	47.85	47.99	48.13	48.28
Short Circuit Current: Isc [A]	14.02	14.07	14.11	14.16	14.21
Voltage at Maximum Power: Vmp [V]	39.74	39.88	40.01	40.14	40.28
Current at Maximum Power: Imp [A]	13.30	13.35	13.40	13.45	13.50

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5, Measuring Tolerance: ±3%  
 \* NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

**ELECTRICAL CHARACTERISTICS (Rear Power Gain)**

5%	Maximum Power: Pmax[W]	730	735	740	746	751
	Module Efficiency: η [%]	23.5	23.7	23.8	24.0	24.2
15%	Maximum Power: Pmax[W]	799	805	811	817	822
	Module Efficiency: η [%]	25.7	25.9	26.1	26.3	26.5
25%	Maximum Power: Pmax[W]	869	875	881	888	894
	Module Efficiency: η [%]	28.0	28.2	28.4	28.6	28.8

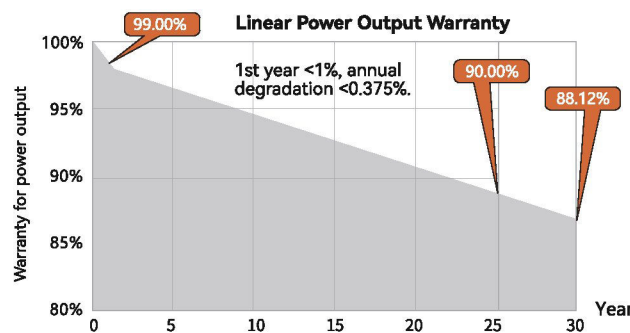
**TEMPERATURE PARAMETERS**

Temperature Coefficient (Pmax)	-0.26%/°C
Temperature Coefficient (Voc)	-0.24%/°C
Temperature Coefficient (Isc)	+0.04%/°C
NMOT	4.4±2°C

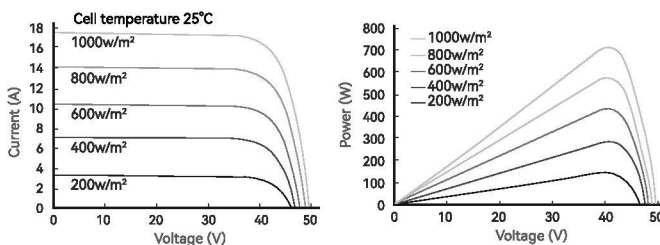
**MAXIMUM RATINGS**

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+5W
Maximum Bifaciality	85±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 50001:2011 / energy management system
- IEC TS 62941—2016 / PV industry quality management system
- IEC 61215/61730, IEC 62804(PID), IEC 61701(Salt), IEC 62716 (Ammonia), IEC 60068-2-68(Sand)



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Declaration: With the technical progress and product updates, there exists a deviation between the technical parameter of the TW Solar's future products and the technical parameter in this specification, The TW Solar reserves the right to adjust the technical parameter at any time without notifying the customers, TW Solar reserves the final right of interpretation. (20230830)