





High Power Output
Low LCOE 

Maximum Power
725W+ 

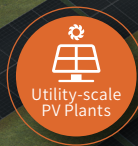
TWMNF

N-type Half-cell
Monofacial Module (66)

66HS700-725W

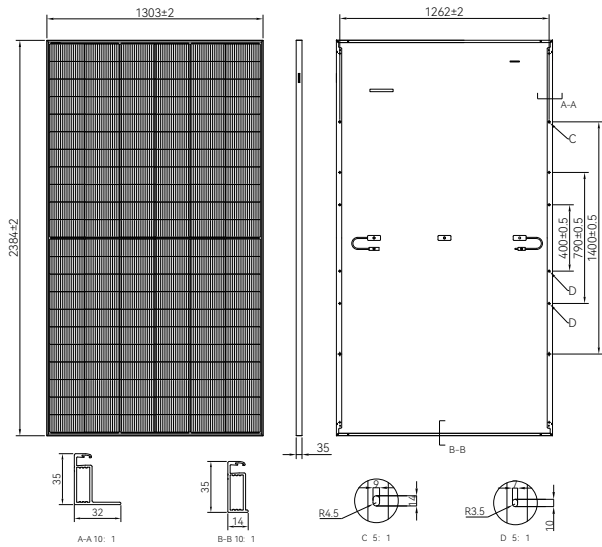


Tongwei Co.,Ltd.
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DRAWINGS (Unit: mm)



MECHANICAL PARAMETERS

Cell Type	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×35mm
Weight	32.1kg
Front Glass	3.2mm AR coated heat strengthened glass
Backsheet	White
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
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	31pcs
Packaging	558pcs per 40'HC

ELECTRICAL CHARACTERISTICS (STC)

Module Type:	TWMNF-66 HS700	TWMNF-66 HS705	TWMNF-66 HS710	TWMNF-66 HS715	TWMNF-66 HS720	TWMNF-66 HS725
Maximum Power: Pmax [W]	700	705	710	715	720	725
Open Circuit Voltage: Voc [V]	48.10	48.75	48.92	49.09	49.27	49.45
Short Circuit Current: Isc [A]	18.44	18.46	18.48	18.50	18.54	18.58
Voltage at Maximum Power: Vmp [V]	40.30	40.45	40.62	40.79	40.96	41.13
Current at Maximum Power: Imp [A]	17.38	17.43	17.48	17.53	17.58	17.63
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 (NMOT)

Maximum Power: Pmax [W]	526	530	534	538	541	545
Open Circuit Voltage: Voc [V]	45.70	46.31	46.47	46.64	46.81	46.98
Short Circuit Current: Isc [A]	14.89	14.90	14.92	14.94	14.97	15.00
Voltage at Maximum Power: Vmp [V]	37.50	37.67	37.85	38.03	38.13	38.30
Current at Maximum Power: Imp [A]	14.03	14.07	14.11	14.15	14.19	14.23

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

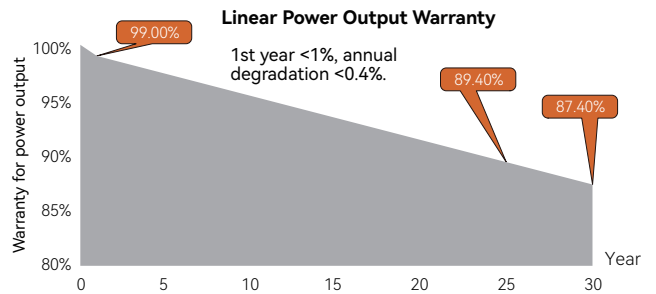
TEMPERATURE RATING

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

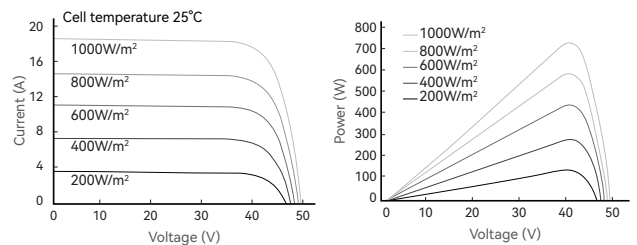
OPERATING PARAMETERS

Operating Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Selection Tolerance	0~+3%
Fire Class Rating	Class C

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)

