



TWMNF

N-type Half-cell
Monofacial Module (66)

66HS705-725W



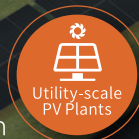
High Power Output
Low LCOE



Maximum Power
725W+



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Utility-scale
PV Plants



Commercial
Rooftop



12
YEAR
Materials
Warranty

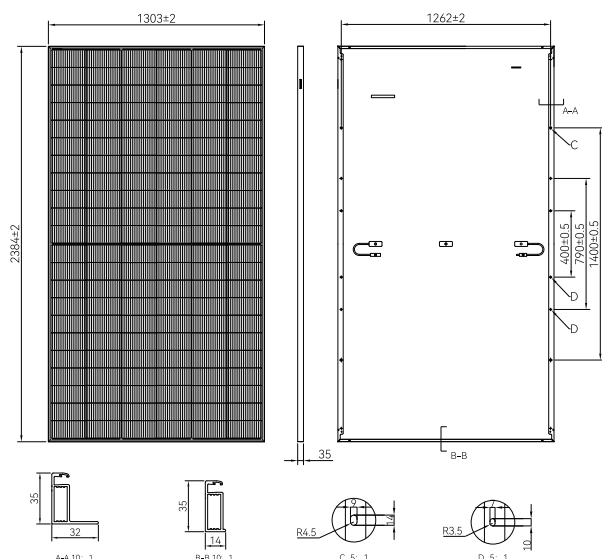


30
YEAR
Power
Warranty



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DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TWMNF-66HSXXX					
Maximum Power: P _{max} [W]	705	710	715	720	725
Open Circuit Voltage: V _{oc} [V]	48.75	48.92	49.09	49.27	49.45
Short Circuit Current: I _{sc} [A]	18.46	18.48	18.50	18.54	18.58
Voltage at Maximum Power: V _{mp} [V]	40.45	40.62	40.79	40.96	41.13
Current at Maximum Power: I _{mp} [A]	17.43	17.48	17.53	17.58	17.63
Module Efficiency: η [%]	22.7	22.9	23.0	23.2	23.3

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: P _{max} [W]	530	534	538	541	545
Open Circuit Voltage: V _{oc} [V]	46.31	46.47	46.64	46.81	46.98
Short Circuit Current: I _{sc} [A]	14.90	14.92	14.94	14.97	15.00
Voltage at Maximum Power: V _{mp} [V]	37.67	37.85	38.03	38.13	38.30
Current at Maximum Power: I _{mp} [A]	14.07	14.11	14.15	14.19	14.23

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

TEMPERATURE PARAMETERS

Temperature Coefficient (P _{max})	-0.28%/°C
Temperature Coefficient (V _{oc})	-0.24%/°C
Temperature Coefficient (I _{sc})	+0.046%/°C
NMOT	45±2°C

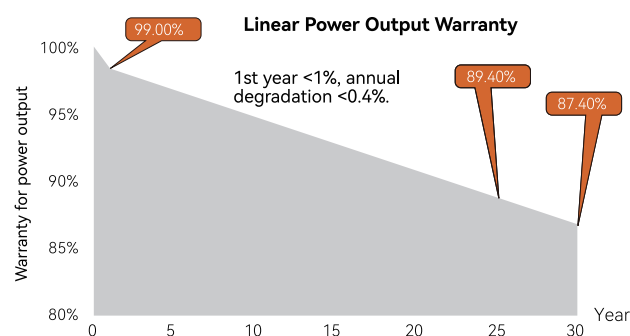
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Output Tolerance	0~+3%

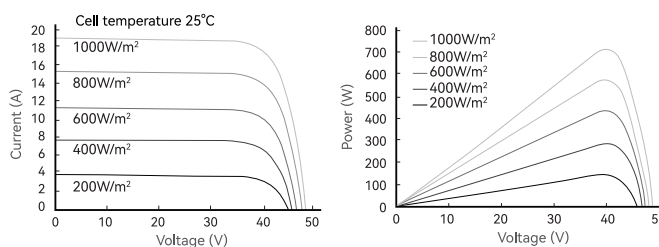
MECHANICAL PARAMETERS

Cells	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimension	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
Output Cable	4.0mm ²
Cable Length	+400mm, -200mm, or ±1400mm, 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)

