



TWMNH

N-type Half-cell
Bifacial Module(66)

66HD620-640W

High Power Output
Low LCOE



Maximum Power
640W+



<https://en.tongwei.cn/>

Commercial
Rooftop

Utility-scale
PV Plants

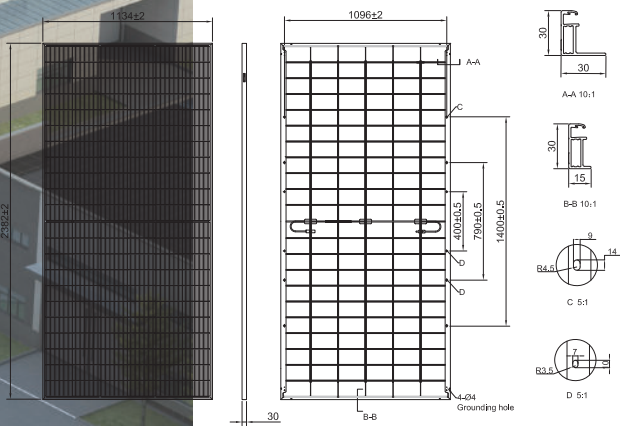
12
YEAR
Materials
Warranty

30
YEAR
Power
Warranty



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(mm)



Mechanical Parameters

Cell Type	TNC2.0 (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2382±2×1134±2×30mm
Weight	32.5kg
Front Glass	2.0mm AR coating semi tempered glass
Rear Glass	2.0mm semi tempered 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
Per pallet	36 pcs
Packaging	720 pcs per 40'HC

Characteristics (STC)

Model	620	625	630	635	640
V _{oc} [V]	49.10	49.30	49.50	49.60	49.75
V _m [V]	16.06	16.12	16.18	16.26	16.33
I _{mp} [A]	40.82	40.96	41.10	41.24	41.38
P _{max} [W]	15.19	15.26	15.33	15.40	15.47
Temperature 25°C, AM=1.5, Power measurement tolerance: ±3%	23.0	23.1	23.3	23.5	23.7

Characteristics with different rear side power gain

P _{max} [W]	651	656	661	666	672
Efficiency [%]	24.1	24.3	24.5	24.7	24.9
P _{max} [W]	713	718	724	730	736
Efficiency [%]	26.4	26.6	26.8	27.0	27.2
P _{max} [W]	775	781	787	793	800
Efficiency [%]	28.7	28.9	29.1	29.4	29.6

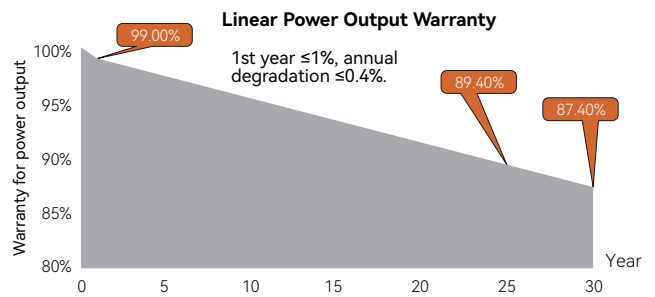
Temperature Coefficients

Temperature Coefficient of P _{max}	-0.28%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

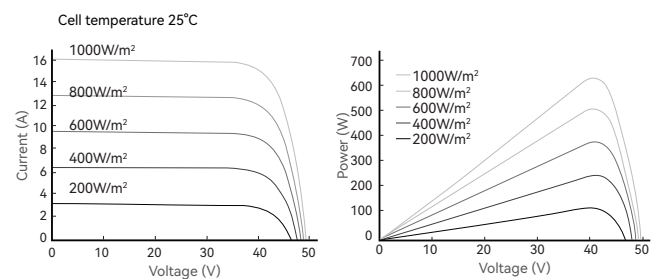
Operating Conditions

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum System Current	30A
Maximum Power Tolerance	0~+3%
Maximum Power Tolerance	80±5%

Linear 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/Occupation health and safety management systems
 ISO 50001: 2018/Energy management systems
 IEC 62941: 2019/Quality system for PV module manufacturing
 IEC 61215 / IEC 61730, IEC 62804(PID),
 IEC 61701(Salt), IEC 62716 (Ammonia), IEC 60068-2-68(Sand)

