



TWMPF-66HS655-675W

P-type Half-cell Monofacial Module (66)

PRODUCT FEATURES



High Power Output
Low LCOE



Maximum Power
675W+



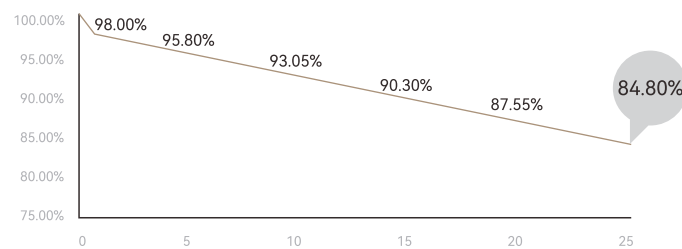
High
Reliability



Low
LID

POWER WARRANTY

1st year <2%, 0.55% power degradation per year from 2 to 25 years



12-year Warranty for Materials



25-year Warranty for Linear Power Output

MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION

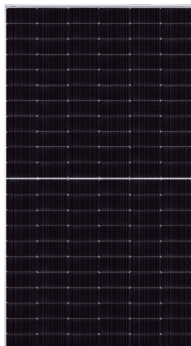
ISO9001: 2015/Quality Management System

ISO14001: 2015/Environment Management System

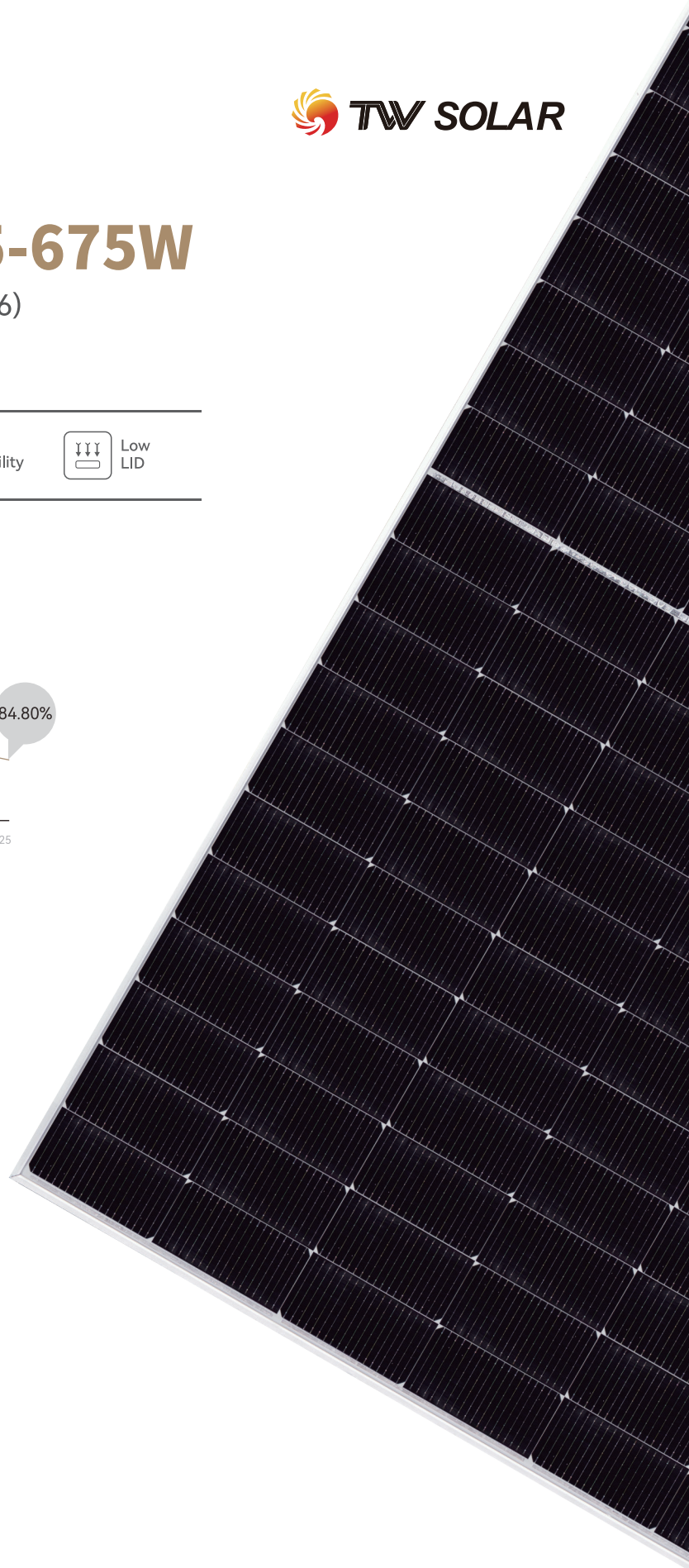
ISO45001: 2018/Occupational Health and Safety Management System



Front



Rear



Electrical Characteristics (STC)

Module Type: TWMPF-66HSXXX

Maximum Power: Pmax [W]	655	660	665	670	675
Open Circuit Voltage: Voc [V]	45.40	45.60	45.80	46.00	46.20
Short Circuit Current: Isc [A]	18.50	18.55	18.60	18.65	18.70
Voltage at Maximum Power: Vmp [V]	37.60	37.80	38.00	38.20	38.40
Current at Maximum Power: Imp [A]	17.42	17.46	17.50	17.54	17.58
Module Efficiency: η [%]	21.1	21.2	21.4	21.6	21.7

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass1.5, Measuring Tolerance: $\pm 3\%$

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	495.6	499.4	503.1	506.9	510.7
Open Circuit Voltage: Voc [V]	42.77	42.96	43.14	43.33	43.52
Short Circuit Current: Isc [A]	14.92	14.96	15.00	15.04	15.08
Voltage at Maximum Power: Vmp [V]	35.08	35.26	35.45	35.64	35.83
Current at Maximum Power: Imp [A]	14.13	14.16	14.19	14.22	14.25

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

Mechanical Parameters

Cells	TPC
Cell Orientation	132[6X22]
Dimension	2384 \pm 2 X1303 \pm 2X35mm
Weight	34.2kg
Front Glass	3.2mm high transmittance, AR coated tempered glass
Backsheet	White
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Output Cable	4.0mm ²
Cable Length	+400mm, -200mm, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 558pcs per 40'HC

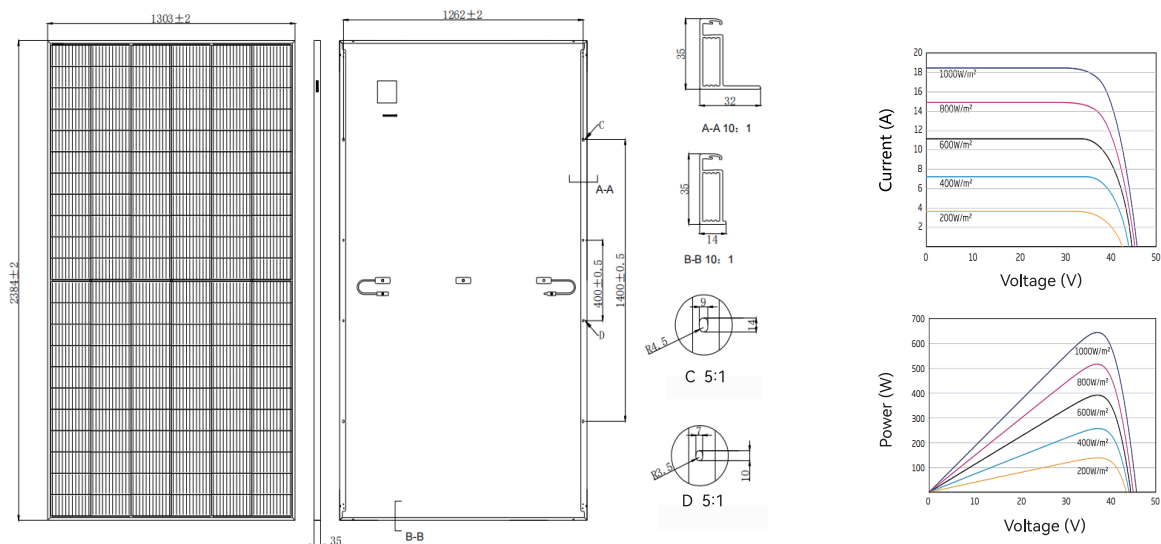
Operating Parameters

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Output Tolerance	0~+5W

Temperature Ratings

Temperature Coefficient (Pmax)	-0.34%/°C
Temperature Coefficient (Voc)	-0.27%/°C
Temperature Coefficient (Isc)	+0.045%/°C
NMOT	45 \pm 2°C

Drawings (Unit: mm)



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