

「TWMPD-78HD580-600W-EN」



Celdas

156



Eficiencia

Hasta 21,5 %



Dimensiones del módulo

2465 X 1134 X 35 mm



Características del módulo

Bifacial



Packaging

31 módulos por pallet,
496 módulos por 40'HC



Tecnología

P-Type



Garantía del producto

12 años de garantía



Garantía del rendimiento

30 años de garantía



TWMPD-78HD580-600W

P-type Half-cell Bifacial Module (78)

PRODUCT FEATURES



High Power Output
Low LCOE



Maximum Power
600W+



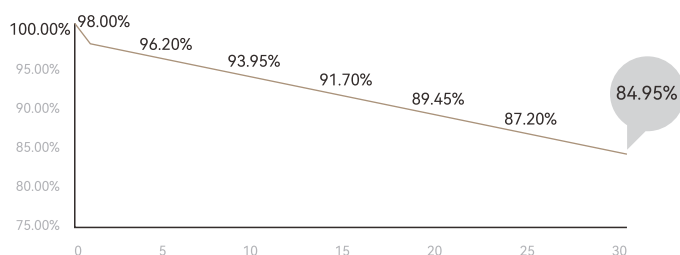
High
Reliability



Low
LID

POWER WARRANTY

1st year <2%, 0.45% power degradation per year from 2 to 30 years



12-year Warranty for Materials



30-year Warranty for Linear Power Output

MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION

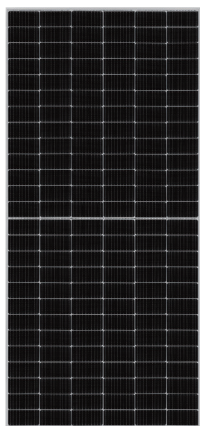
ISO9001: 2015/Quality Management System

ISO14001: 2015/Environment Management System

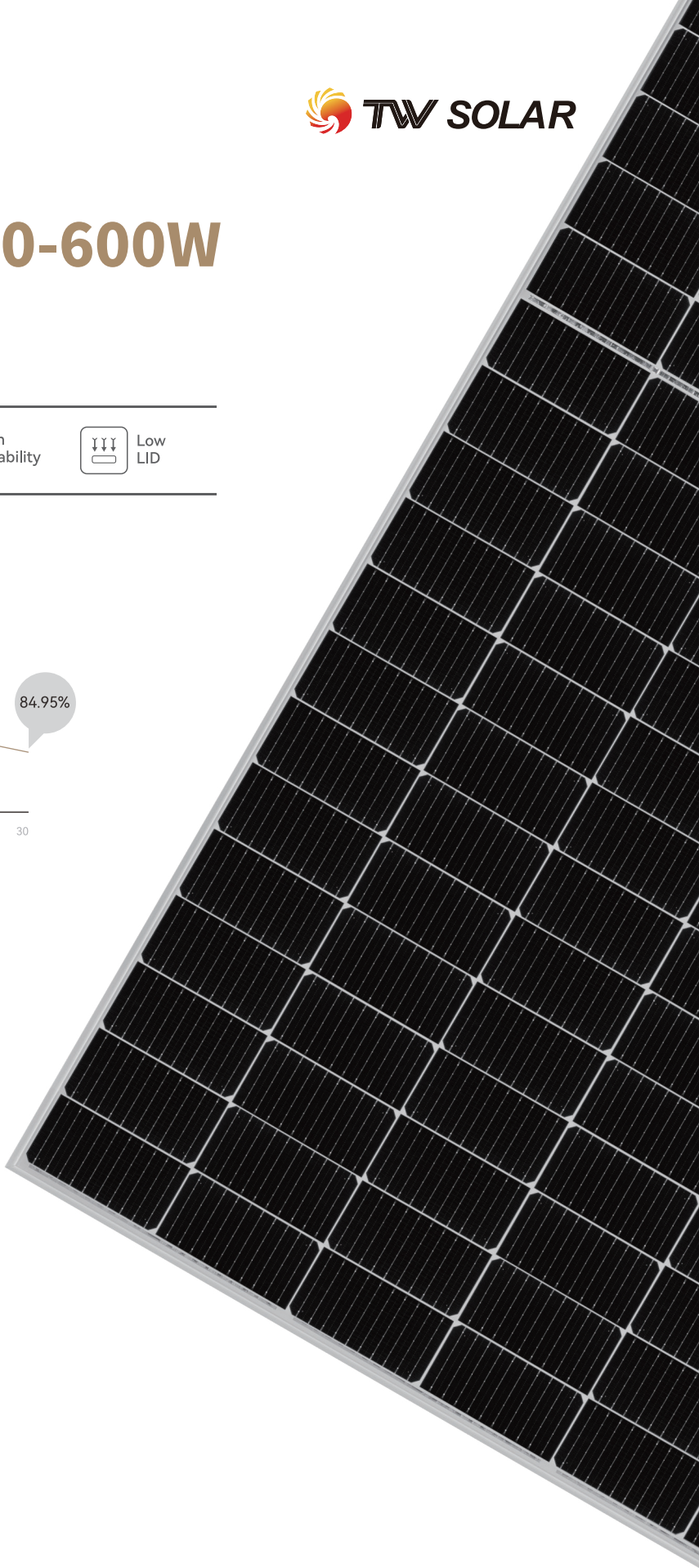
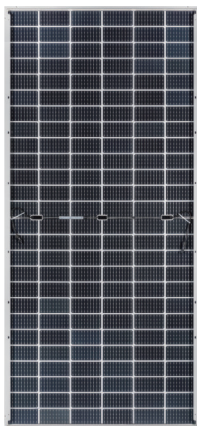
ISO45001: 2018/Occupational Health and Safety Management System



Front



Rear



Electrical Characteristics (STC)

Module Type: TWMPD-78HDXXX					
Maximum Power: Pmax [W]	580	585	590	595	600
Open Circuit Voltage: Voc [V]	53.45	53.65	53.85	54.05	54.25
Short Circuit Current: Isc [A]	13.93	13.98	14.03	14.08	14.13
Voltage at Maximum Power: Vmp [V]	44.0	44.2	44.4	44.6	44.8
Current at Maximum Power: Imp [A]	13.18	13.24	13.29	13.34	13.39
Module Efficiency: η [%]	20.7	20.9	21.1	21.3	21.5
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass1.5, Measuring Tolerance: $\pm 3\%$					

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	438.9	442.7	446.5	450.3	454.1
Open Circuit Voltage: Voc [V]	49.99	50.25	50.53	50.80	50.99
Short Circuit Current: Isc [A]	11.2	11.2	11.2	11.3	11.3
Voltage at Maximum Power: Vmp [V]	40.7	40.9	41.2	41.4	41.6
Current at Maximum Power: Imp [A]	10.77	10.81	10.85	10.88	10.93
NMOT: Irradiance 800W/m ² , Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s					

Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	609.0	614.3	619.5	624.8	630.0
	Module Efficiency: η [%]	21.8	22.0	22.2	22.3	22.5
15%	Maximum Power: Pmax[W]	667.0	672.8	678.5	684.3	690.0
	Module Efficiency: η [%]	23.9	24.1	24.3	24.5	24.7
25%	Maximum Power: Pmax[W]	725.0	731.3	737.5	743.8	750.0
	Module Efficiency: η [%]	25.9	26.2	26.4	26.6	26.8

Temperature Ratings

Temperature Coefficient (Pmax)	-0.34%/°C
Temperature Coefficient (Voc)	-0.28%/°C
Temperature Coefficient (Isc)	0.05%/°C
NMOT	45 $\pm$ 2°C

Mechanical Parameters

Cells	TPC
Cell Orientation	156[6X26]
Dimension	2465 $\pm$ 2X1134 $\pm$ 2X35mm
Weight	34.6kg
Front Glass	2.0mm high transmittance, AR coated tempered glass
Rear Glass	2.0mm high transmittance, coated tempered glass
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, 496pcs 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
Maximum Bifaciality	70 $\pm$ 5%

Drawings (Unit: mm)

