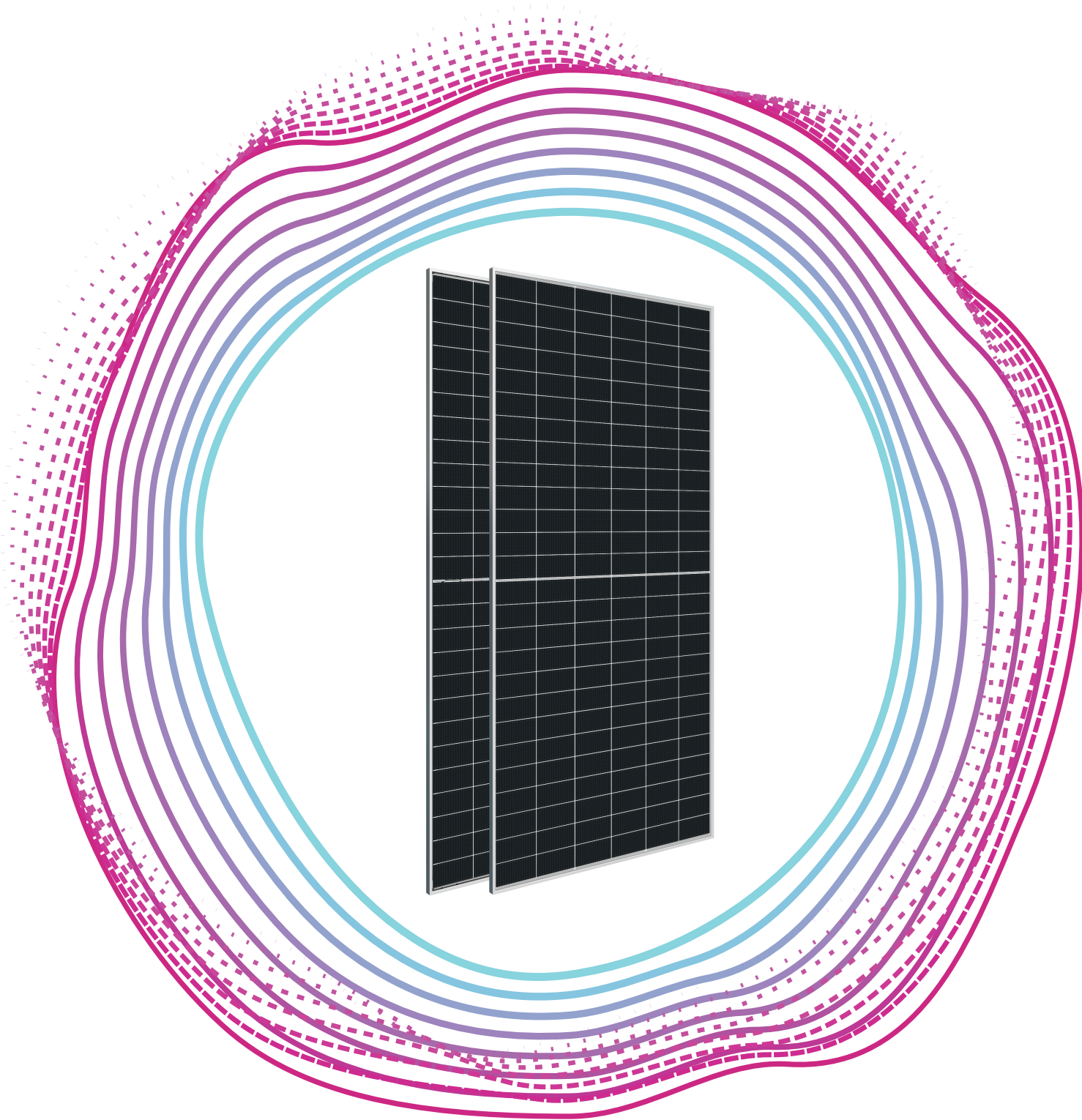




WJM78D31
620-645/16BH

N-Type 182 Double Glass Module



12-year product warranty



30-year linear power output warranty

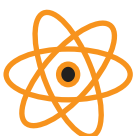


Authoritative product and system certification



High conversion efficiency

The highest conversion efficiency is 23.07%



Photovoltaic+scene

Distributed, Aquaculture complementary, ground-mounted



Beautiful and reliable

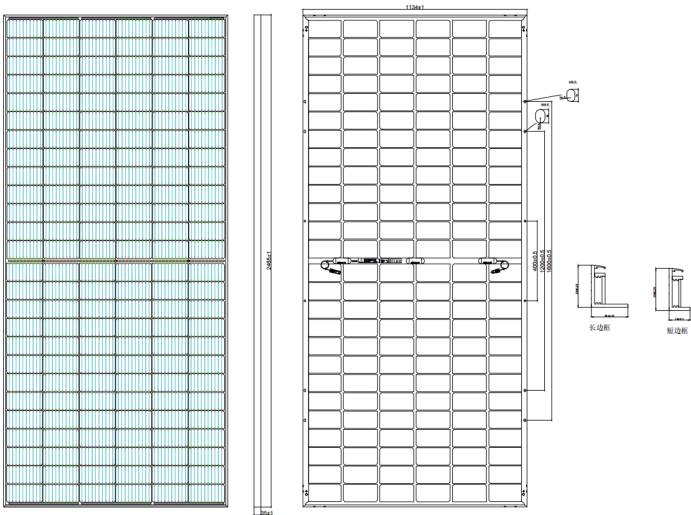
Symmetrical aesthetics, 30-year linear power output warranty



More power generation

More power generation than single glass module

Engineering Drawings



Mechanical Characteristics

Cell	N-type 156 (2*78)
Module size	2465*1134*33mm
Glass thickness	2.0mm/2.0mm
Module weight	34.6kg
Cable	4mm ² ,300mm,customer specified
Connector	Stäubli PV-KST4-EVO2/XY_UR Suzhou Xtong PV-XT101.1
Junction box	IP68,3 diodes
Frame	Anodized aluminium alloy
Country of manufacturer	China

Specifications

STC: AM1.5 1000W/m², 25°C , Power tolerance: 0~+5W

Maximum Power(Pmax/W)/Tolerance±3%	620	625	630	635	640	645
Open-circuit Voltage(Voc(V))/Tolerance±3%	55.58	55.72	55.86	56.00	56.14	56.28
Short-circuit Current(Isc(A))/Tolerance±3%	14.19	14.27	14.35	14.43	14.51	14.58
Maximum Power Voltage(Vmp(V))	45.93	46.10	46.27	46.44	46.61	46.78
Maximum Power Current(Imp(A))	13.50	13.56	13.62	13.68	13.74	13.79
Module Efficiency(%)	22.18	22.36	22.53	22.71	22.89	23.07

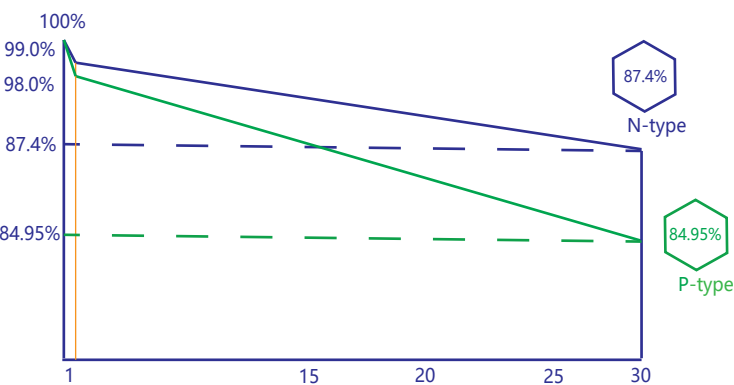
Temperature coefficients

Temperature coefficients of Isc	+0.045%/°C
Temperature coefficients of Voc	-0.250%/°C
Temperature coefficients of Pmax	-0.290%/°C

Module temperature rating [T_{amb}]max of 70°C
Performance at low irradiance (200 ± 2) W/m², module at (25 ± 2) °C

Isc(A)	Voc(V)	Imp(A)	Vmp(V)	Pmax(W)	FF[%]
2.886	56	2.736	46.4	125.1	77.4

Linear performance warranty



Operating conditions

Fire Safety Class	Class C
Maximum system voltage	DC1500V
Power selection	0~+5W
Operating temperature	-40°C~+85°C
Maximum series fuse rating	30A
Design load rating	+3600Pa,-1600Pa
Package	17.5m-828Pcs,40'HQ-576Pcs

