

STELLAR

Draft

2N+78 Dual-Glass Module

770W-805W

Technical Features:

-  Partial Shading Optimisation
-  Better Temperature Coefficient
-  High Temperature Restriction
-  Micro-crack Resistance
-  Higher Power
-  Lower BOS
-  More Aesthetic Values



red dot winner 2023



Product
Warranty



Performance
Warranty



Warranty partner

Munich RE 

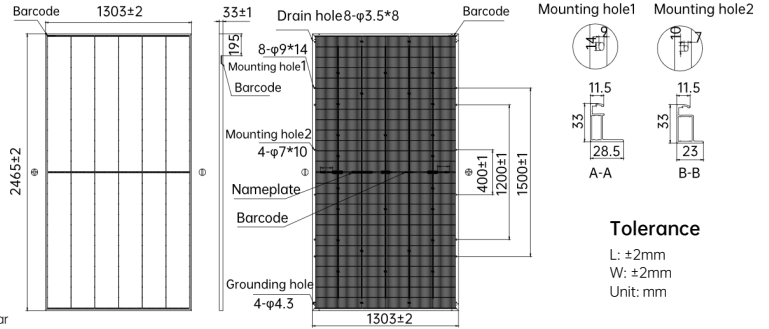
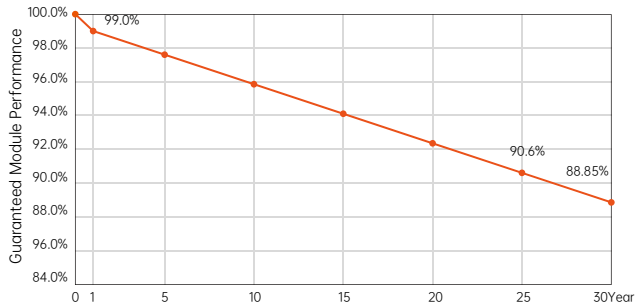
805W
Output

25.1%
Efficiency

≤1%
First-year Degradation

≤0.35%
Annual Degradation from Year 2-30

30-year Linear Performance Warranty



Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s)

Power Tolerance: 0~ + 3%

Module Type	AIKO-A770-GRH78Dw		AIKO-A775-GRH78Dw		AIKO-A780-GRH78Dw		AIKO-A785-GRH78Dw		AIKO-A790-GRH78Dw		AIKO-A795-GRH78Dw		AIKO-A800-GRH78Dw		AIKO-A805-GRH78Dw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	770	584	775	588	780	592	785	595	790	599	795	603	800	607	805	610
V _{oc} [V]	58.72	55.68	58.82	55.77	58.92	55.87	59.02	55.96	59.12	56.05	59.22	56.15	59.32	56.24	59.42	56.34
V _{mp} [V]	48.77	46.36	48.87	46.46	48.97	46.55	49.07	46.65	49.17	46.74	49.27	46.84	49.36	46.93	49.46	47.03
I _{sc} [A]	16.64	13.4	16.71	13.46	16.78	13.53	16.85	13.59	16.92	13.66	16.99	13.72	17.06	13.78	17.13	13.85
I _{mp} [A]	15.79	12.6	15.86	12.65	15.93	12.71	16.00	12.76	16.07	12.82	16.14	12.87	16.21	12.93	16.28	12.98
Module Efficiency	24.0%		24.1%		24.3%		24.4%		24.6%		24.8%		24.9%		25.1%	

Product Specification

Bifacial Factor	80±5%
Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) +400mm, -200mm or Customized Length
No. of Cells	156(6*26)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible
Weight	39.8kg±3%
Dimension	2465*1303*33mm
Package Detail	33pcs per pallet / 132pcs per 20'GP / 594pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I _{sc}	+ 0.05%/ °C
Temperature Coefficient of V _{oc}	- 0.22%/ °C
Temperature Coefficient of P _{max}	- 0.26%/ °C

Installation Guide

Operation Temperature	-40°C - +70°C
Maximum Series Fuse Rating	30A
Protection Class	Class II
V _{oc} and I _{sc} Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class A

