AIKO

STELLAR

2N+78 Dual-Glass Module

765W-800W

Technical Features:

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

BloombergNEF TIER 1 PV Modules

ESG Transparency Award 2023/24 Excellence

inter solar award 2023 WINNER

reddot winner 2023

Ariel Green

CE

TÜVRheinland

15 year Product Warranty

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

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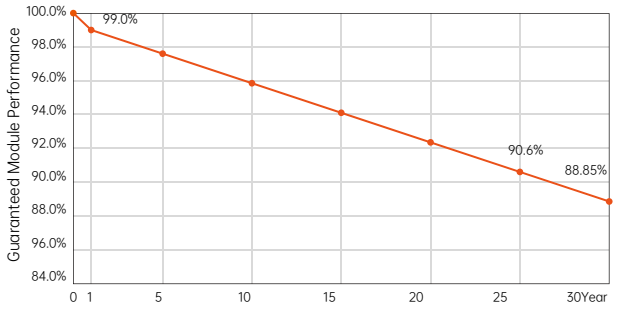
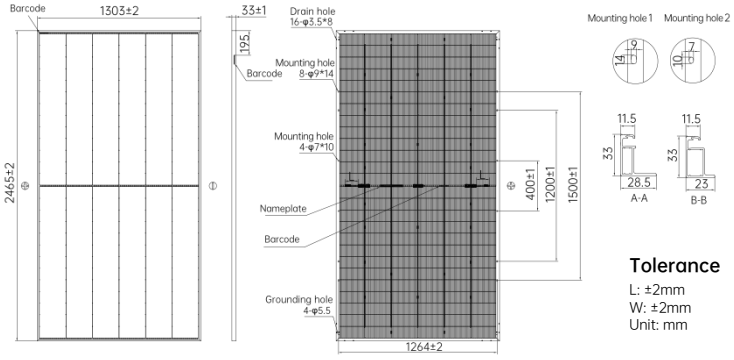
Stellar 2N+78

AIKO-A-GRH78Dw

800W	24.9%	≤1%	≤0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

30-year Linear Performance Warranty





Tolerance
L: ±2mm
W: ±2mm
Unit: mm

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

Power Tolerance:0~ + 3%

Module Type	AIKO-A765-GRH78Dw			AIKO-A770-GRH78Dw			AIKO-A775-GRH78Dw			AIKO-A780-GRH78Dw			AIKO-A785-GRH78Dw			AIKO-A790-GRH78Dw			AIKO-A795-GRH78Dw			AIKO-A800-GRH78Dw		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P_{max} [W]	765	580	840	770	584	845	775	588	850	780	592	855	785	595	860	790	599	865	795	603	870	800	607	875
V_{oc} [V]	58.62	55.58	58.62	58.72	55.68	58.72	58.82	55.77	58.82	58.92	55.87	58.92	59.02	55.96	59.02	59.12	56.05	59.12	59.22	56.15	59.22	59.32	56.24	59.32
V_{mp} [V]	48.67	46.27	48.70	48.77	46.36	48.80	48.87	46.46	48.90	48.97	46.55	49.00	49.07	46.65	49.10	49.17	46.74	49.20	49.27	46.84	49.30	49.36	46.93	49.40
I_{sc} [A]	16.57	13.34	18.18	16.64	13.40	18.26	16.71	13.46	18.34	16.78	13.53	18.42	16.85	13.59	18.50	16.92	13.66	18.58	16.99	13.72	18.66	17.06	13.78	18.74
I_{mp} [A]	15.72	12.54	17.25	15.79	12.60	17.32	15.86	12.65	17.38	15.93	12.71	17.45	16.00	12.76	17.52	16.07	12.82	17.58	16.14	12.87	17.65	16.21	12.93	17.71
Module Efficiency	**23.8%**			**24.0%**			**24.1%**			**24.3%**			**24.4%**			**24.6%**			**24.8%**			**24.9%**		

Product Specification

Bifacial Factor	80±5%
Cell Type	N-Type ABC
Front Cover	2.0mm coated semi tempered glass
Rear Cover	2.0mm semi tempered glass
Frame	Anodized aluminum
Cable	4mm²(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%/ ℃
Temperature Coefficient of V_{oc}	- 0.22%/ ℃
Temperature Coefficient of P_{max}	- 0.26%/ ℃

Installation Guide

Operation Temperature	-40℃ - +70℃
Maximum Series Fuse Rating	30A
Protection Class	Class II
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

*AIKO reserves right to update the specification without notice
*Optional Ariel Green coverage is available upon request

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