



N-Type ABC

Dual-glass Bifacial Module

AIKO-A-MAH72Dw G Draft

Up to **23.7%**
605W-625W



Product
Warranty



Performance
Warranty



red**dot** winner 2023

Premium Appearance

No grid lines on the front

Higher Power Output

Higher efficiency: 23.7%

Lower degradation: 1 year $\leq 1.0\%$, 2 -30 year $\leq 0.35\%$

Better temperature coefficient: $-0.29\%/^{\circ}\text{C}$

Optimized Balance of System (BOS)

Significant savings on mounting structure, cabling, and labour cost



Complete Set of Quality Management System

IEC 61730 (2016) IEC 61215 (2021)

ISO 9001:2015 Quality Management System

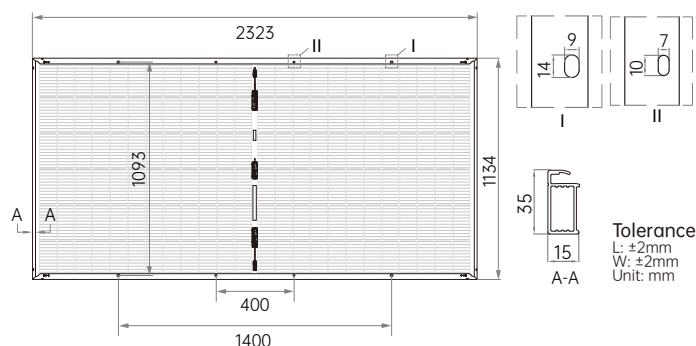
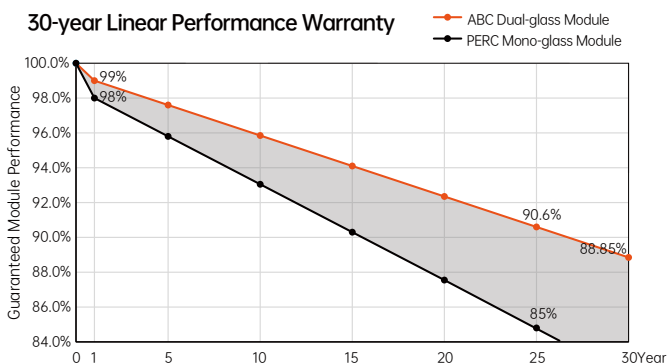
ISO 14001:2015 Environmental Management System

ISO 45001:2018 Occupational Safety and Management System

625W
Output

23.7%
Efficiency

 $\leq 1\%$
First-year Degradation

 $\leq 0.35\%$
Annual Degradation from Year 2-30

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

Power Tolerance: 0~ + 3%

Model	AIKO-A605-MAH72Dw G		AIKO-A610-MAH72Dw G		AIKO-A615-MAH72Dw G		AIKO-A620-MAH72Dw G		AIKO-625-MAH72Dw G	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	605	456	610	459	615	463	620	467	625	471
V_{oc} [V]	53.25	50.29	53.35	50.38	53.45	50.48	53.55	50.57	53.65	50.67
V_{mp} [V]	44.78	42.29	44.88	42.38	44.98	42.48	45.08	42.57	45.18	42.67
I_{sc} [A]	14.05	11.36	14.11	11.41	14.17	11.46	14.23	11.51	14.29	11.55
I_{mp} [A]	13.52	10.79	13.60	10.85	13.68	10.91	13.76	10.98	13.84	11.04
Module Efficiency	23.0%		23.2%		23.3%		23.5%		23.7%	

Mechanical Specification

Bifacial Factor	≥ 55%
Cell Type	N-Type ABC
Glass	Dual glass, 2.0+2.0mm Heat Strengthened Glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) 350mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, three bypass diodes
Connector	MC4 compatible
Weight	33kg±3%
Dimension	2323*1134*35mm
Package Detail	31pcs per pallet/155 pcs per 20' GP/620pcs per 40' HQ

Temperature Ratings (STC)

Temperature Coefficient of I_{sc}	+ 0.05%/°C
Temperature Coefficient of V_{oc}	- 0.24%/°C
Temperature Coefficient of P_{max}	- 0.29%/°C

Installation Guide

Operation Temperature	- 40°C-+85°C
Maximum Series Fuse Rating	25A
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 C