



N-Type ABC Mono-glass Module

AIKO-A-MAH72Mw

Up to **24.0%**
600W-620W



Product
Warranty



Performance
Warranty



reddot winner 2023

Premium Appearance

No grid lines on the front

Higher Power Output

Higher efficiency: 24.0%

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

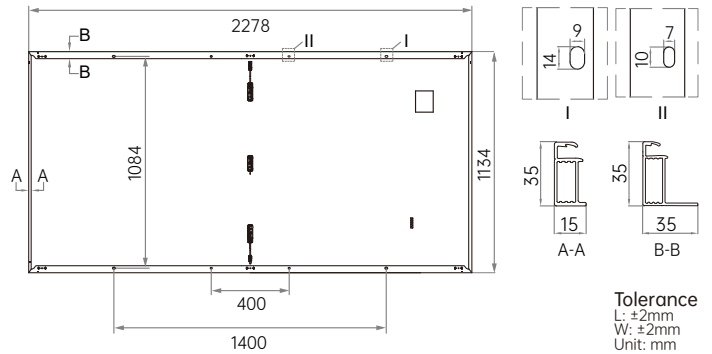
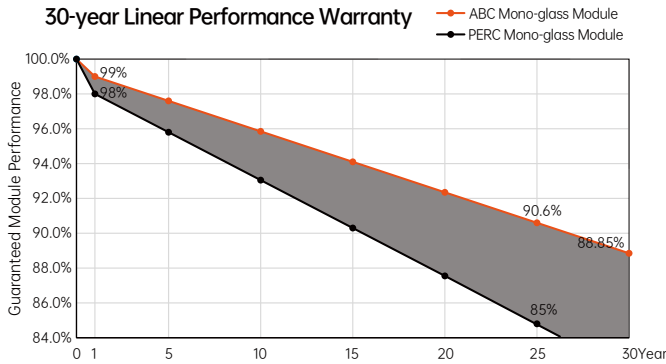


620W
Output

24.0%
Efficiency

≤1%
First-year Degradation

≤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-A600-MAH72Mw		AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw		AIKO-A620-MAH72Mw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	600	452	605	456	610	459	615	463	620	467
V_{oc} [V]	53.94	50.94	54.04	51.03	54.14	51.13	54.24	51.22	54.34	51.32
V_{mp} [V]	44.67	42.18	44.77	42.28	44.87	42.37	44.97	42.47	45.07	42.56
I_{sc} [A]	14.12	11.42	14.18	11.47	14.24	11.52	14.30	11.56	14.36	11.61
I_{mp} [A]	13.44	10.72	13.52	10.79	13.60	10.85	13.68	10.92	13.76	10.98
Module Efficiency	23.2%		23.4%		23.6%		23.8%		24.0%	

Mechanical Specification

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered 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	28.2kg±3%
Dimension	2278*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