



N-Type ABC White Hole Series

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%

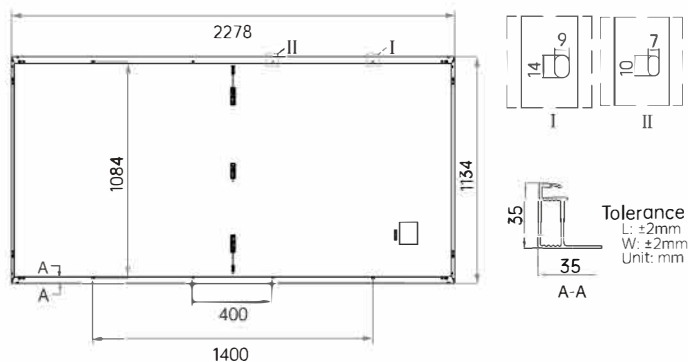
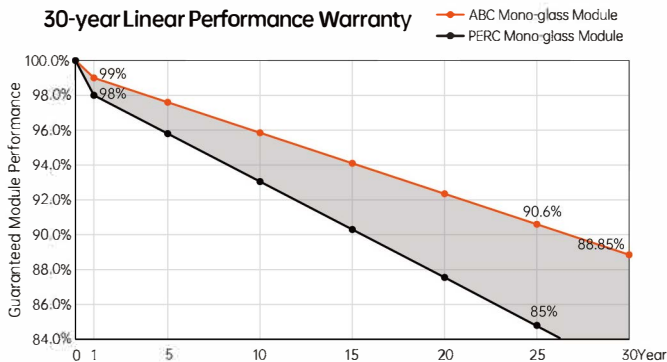
Efficiency

≤1%

First-year Degraddation

≤0.35%

Annual Degraddation from Year 2-30



Electrical Characteristics (STC: AM1.5 1000W/m ² 25°C NOCT: AM1.5 800W/m ² 20°C 1m/s)		Power Tolerance: 0~ + 3%		Max Power Test Uncertainty: ±3%						
Model	AIKO-A600-MAH72Mw		AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw		AIKO-A620-MAH72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	600	453	605	456	610	460	615	464	620	468
V _{oc} [V]	53.29	50.19	53.39	50.28	53.49	50.38	53.59	50.47	53.69	50.56
V _{mp} [V]	44.81	42.20	44.91	42.30	45.01	42.39	45.11	42.48	45.21	42.58
I _{sc} [A]	13.92	11.29	13.98	11.34	14.04	11.39	14.10	11.44	14.16	11.48
I _{mp} [A]	13.40	10.74	13.48	10.80	13.56	10.86	13.64	10.93	13.72	11.00
Module Efficiency	23.2%		23.4%		23.6%		23.8%		24.0%	

Mechanical Specification	
Cell Type	Mono-crystalline Silicon
Front Cover	3.2 mm tempered glass, with anti-reflection coating
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