



# Comet 2N

ABC N-Type

Mono-Glass Model

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



Product  
Warranty



Performance  
Warranty



reddot 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:  $-0.26\%/^{\circ}\text{C}$

## 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

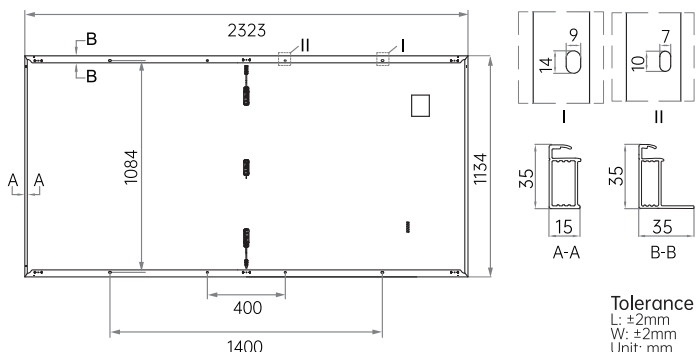
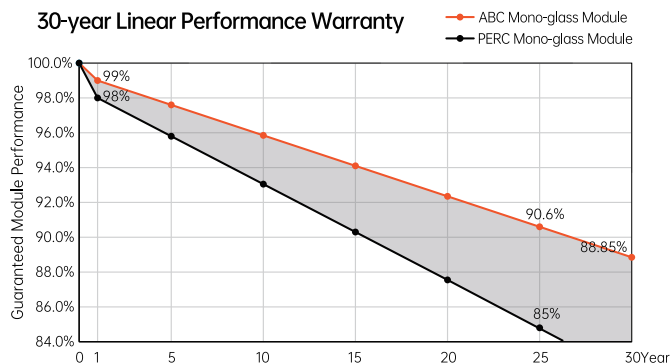
ISO 45001:2018 Occupational Safety and Management System



**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/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s)

Power Tolerance: 0~ + 3%

Model	AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw		AIKO-A620-MAH72Mw		AIKO-A625-MAH72Mw	
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]	54.09	51.08	54.19	51.18	54.29	51.27	54.39	51.36	54.49	51.46
$V_{mp}$ [V]	44.78	42.29	44.88	42.38	44.98	42.48	45.08	42.57	45.18	42.67
$I_{sc}$ [A]	14.28	11.55	14.36	11.61	14.44	11.68	14.52	11.74	14.60	11.81
$I_{mp}$ [A]	13.52	10.79	13.60	10.85	13.68	10.91	13.76	10.98	13.84	11.04
<b>Module Efficiency</b>	<b>23.0%</b>		<b>23.2%</b>		<b>23.3%</b>		<b>23.5%</b>		<b>23.7%</b>	

**Mechanical Specification**

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) 350mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, three bypass diodes
Connector	MC4 Compatible
Weight	31kg $\pm$ 3%
Dimension	2323*1134*35mm
Package Detail	31pcs per pallet/155 pcs per 20' GQ/620pcs per 40' HQ

**Temperature Ratings (STC)**
Temperature Coefficient of  $I_{sc}$  + 0.05%/°CTemperature Coefficient of  $V_{oc}$  - 0.22%/°CTemperature Coefficient of  $P_{max}$  - 0.26%/°C
**Installation Guide**

Operation Temperature - 40°C~+85°C

Maximum Series Fuse Rating 25A

Protection Class Class II

 $V_{oc}$  and  $I_{sc}$  Tolerance  $\pm 3\%$ 

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