




# Comet 2N Mono-Glass Module

## 605W-630W


Second Generation  
Comprehensive Upgrade:


 **Partial Shading Optimisation**

 **Better Temperature Coefficient**

 **High Temperature Restriction**

 **Micro-crack Resistance**

 **Higher Power**

 **Lower BOS**



Product  
Warranty



Performance  
Warranty



reddot winner 2023



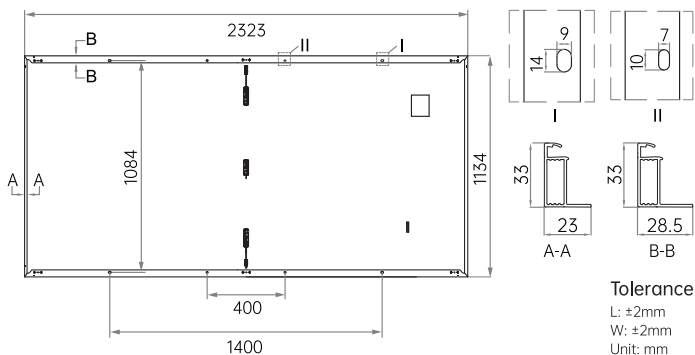
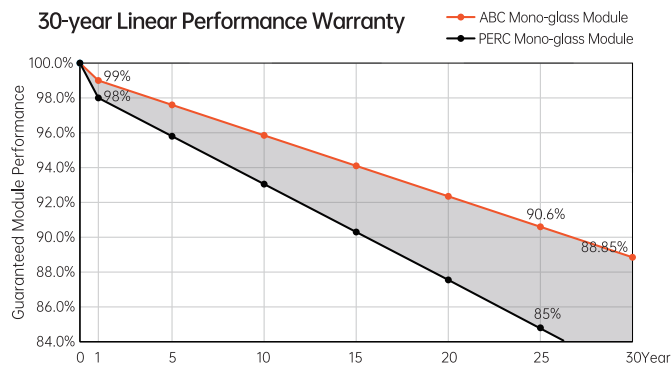
Munich RE 

**630W**  
Output

**23.9%**  
Efficiency

**≤1%**  
First-year Degradation

**≤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%	
Module Type	AIKO-A605-MAH72Mw		AIKO-A610-MAH72Mw		AIKO-A615-MAH72Mw		AIKO-A620-MAH72Mw		AIKO-A625-MAH72Mw		AIKO-A630-MAH72Mw		
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
$P_{max}$ [W]	605	456	610	459	615	463	620	467	625	471	630	474	
$V_{oc}$ [V]	54.09	51.08	54.19	51.18	54.29	51.27	54.39	51.36	54.49	51.46	54.59	51.55	
$V_{mp}$ [V]	44.78	42.29	44.88	42.38	44.98	42.48	45.08	42.57	45.18	42.67	45.28	42.76	
$I_{sc}$ [A]	14.28	11.55	14.36	11.61	14.44	11.68	14.52	11.74	14.60	11.81	14.68	11.87	
$I_{mp}$ [A]	13.52	10.79	13.60	10.85	13.68	10.91	13.76	10.98	13.84	11.04	13.92	11.11	
<b>Module Efficiency</b>	<b>23.0%</b>		<b>23.2%</b>		<b>23.3%</b>		<b>23.5%</b>		<b>23.7%</b>		<b>23.9%</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	IP68,3 bypass diodes
Connector	MC4 Compatible
Weight	27.7kg
Dimension	2323*1134*33mm
Package Detail	33pcs per pallet / 165pcs per 20'GP / 660pcs per 40'HC

Temperature Ratings (STC)	
Temperature Coefficient of $I_{sc}$	+ 0.05%/ °C
Temperature Coefficient of $V_{oc}$	- 0.22%/ °C
Temperature 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	±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



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\*AIKO Energy reserves right to update the specification without notice  
AEWHS\_EN\_V6.3