COMET

1N Mono-Glass Module

605W-630W

Technical Features:

- Partial Shading Optimisation
- Better Temperature Coefficient
- High Temperature Restriction
- Micro – crack Resistance
- Higher Power
- Lower BOS
- More Aesthetic Values

reddot winner 2023

Warranty partner

Munich RE

15 year Product Warranty
Extendable to 25years*

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

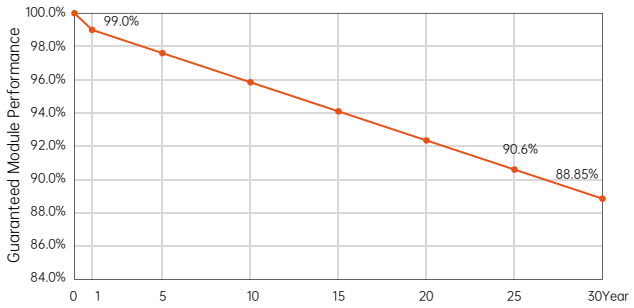
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

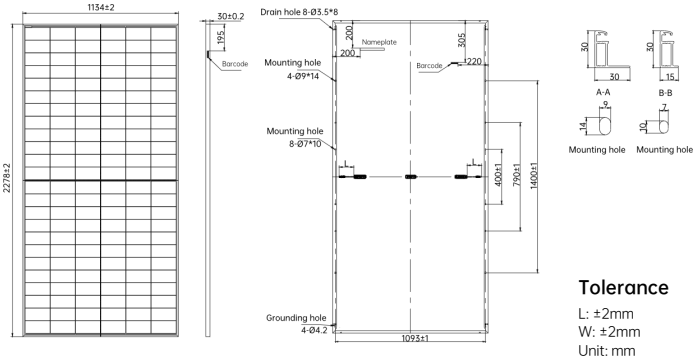
Comet 1N

AIKO-A-MAH72Mw

630W	24.4%	≤1%	≤0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

30-year Linear Performance Warranty





Tolerance

L: ±2mm
W: ±2mm
Unit: mm

Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 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
Module Efficiency	**23.4%**		**23.6%**		**23.8%**		**24.0%**		**24.2%**		**24.4%**	

Product Specification

Cell Type	N-Type ABC
Glass	3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/Original MC4-EVO2A
Weight	27kg±3%
Dimension	2278*1134*30mm
Package Detail	36pcs per pallet / 180pcs per 20'GP / 720pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I_{sc}	+ 0.05%/ ℃
Temperature Coefficient of V_{oc}	- 0.22%/ ℃
Temperature Coefficient of P_{max}	- 0.26%/ ℃

Installation Guide

Operation Temperature	-40℃ - +70℃
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 reserves right to update the specification without notice
*Optional Munich Re coverage is available upon request.

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