AIKO

COMET

3N72e Mono-Glass Module

595W-630W

Technical Features:

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

TIER 1 BloombergNEF

ESG TRANSPARENCY AWARD 2023/24

inter Solar award 2023 WINNER

reddot winner 2023

15 year Product Warranty Extendable to 25years*

30 year Performance Warranty

IEC 61215 IEC 61730

2014/35/EU

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

Warranty partner

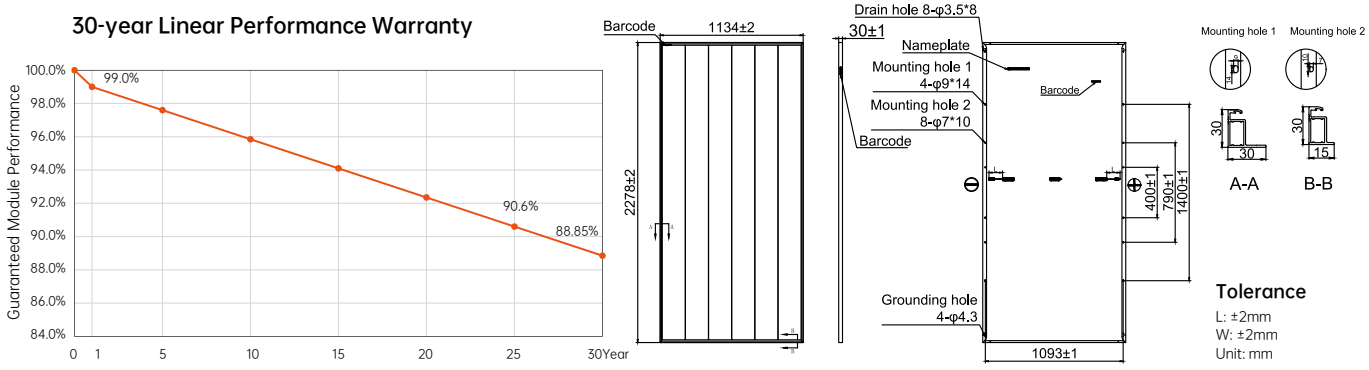
TÜVRheinland

Munich RE

Comet 3N72e

AIKO-A-MAE72Mw

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



Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s) Power Tolerance:0~ + 3%

Module Type	AIKO-A595-MAE72Mw		AIKO-A600-MAE72Mw		AIKO-A605-MAE72Mw		AIKO-A610-MAE72Mw		AIKO-A615-MAE72Mw		AIKO-A620-MAE72Mw		AIKO-A625-MAE72Mw		AIKO-A630-MAE72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	595	451	600	455	605	459	610	462	615	466	620	470	625	474	630	477
V_{oc} [V]	53.70	50.95	53.80	51.04	53.90	51.14	54.00	51.23	54.10	51.33	54.20	51.42	54.30	51.52	54.40	51.61
V_{mp} [V]	44.90	42.60	45.00	42.69	45.10	42.79	45.20	42.88	45.30	42.98	45.40	43.07	45.50	43.17	45.60	43.26
I_{sc} [A]	14.18	11.46	14.23	11.50	14.28	11.54	14.33	11.58	14.38	11.62	14.44	11.67	14.50	11.72	14.56	11.76
I_{mp} [A]	13.26	10.60	13.34	10.66	13.42	10.73	13.50	10.79	13.58	10.86	13.66	10.92	13.74	10.98	13.82	11.05
Module Efficiency	**23.0%**		**23.2%**		**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/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	ClassII
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

www.aikosolar.com
marketing@aikosolar.com

*AIKO reserves right to update the specification without notice
*Optional Munich Re coverage is available upon request.
202601_V3.1_EN