AIKO

Stellar

ABC N-Type

Mono-Glass Model

Up to 24.4%
625W-660W



15 year
Product Warranty

30 year
Performance Warranty

Premium Appearance

No grid lines on the front

Higher Power Output

Higher efficiency: 24.4%
Lower degradation: 1 year⩽1.0%, 2 -30 year⩽0.35%
Better temperature coefficient: -0.26%/ ℃

Optimized Balance of System (BOS)

Significant savings on mounting structure, cabling, and labour cost

Shading Unique Optimization

Complete Set of Quality Management System

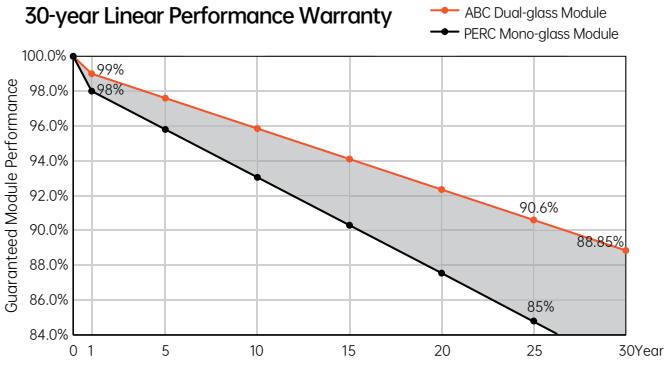
IEC 61730 (2023) IEC 61215 (2021)
ISO 9001:2015 Quality Management System
ISO 14001:2015 Environmental Management System
ISO 45001:2018 Occupational Safety and Management System
(Made in China)

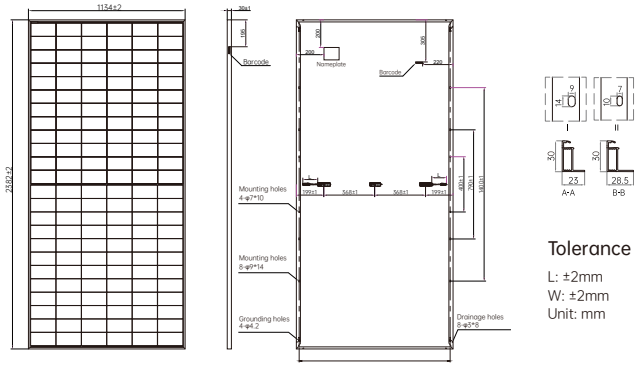
Munich RE CE TÜVRheinland CQC

Stellar

AIKO-G-MCH72Mw

660W	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%

Model	AIKO-G625-MCH72Mw		AIKO-G630-MCH72Mw		AIKO-G635-MCH72Mw		AIKO-G640-MCH72Mw		AIKO-G645-MCH72Mw		AIKO-G650-MCH72Mw		AIKO-G655-MCH72Mw		AIKO-G660-MCH72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	625	471	630	474	635	478	640	482	645	486	650	490	655	493	660	497
V_{oc} [V]	53.90	50.90	54.00	51.00	54.10	51.09	54.20	51.18	54.30	51.28	54.40	51.37	54.50	51.47	54.60	51.56
V_{mp} [V]	44.60	42.12	44.70	42.21	44.80	42.31	44.90	42.40	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78
I_{sc} [A]	14.82	11.98	14.88	12.03	14.94	12.08	15.00	12.13	15.06	12.18	15.12	12.23	15.18	12.28	15.24	12.32
I_{mp} [A]	14.02	11.19	14.10	11.25	14.18	11.31	14.26	11.38	14.34	11.44	14.42	11.51	14.50	11.57	14.57	11.63
Module Efficiency	**23.1%**		**23.3%**		**23.5%**		**23.7%**		**23.9%**		**24.1%**		**24.2%**		**24.4%**	

Mechanical Specification

Cell Type	N-Type ABC
Glass	Mono-Glass,3.2 mm tempered glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) 350mm
No. of Cells	144(6*24)
Junction Box	IP68, three bypass diodes
Connector	MC4 EVOA/MC4 EVO2
Weight	31.5kg±3%
Dimension	2382*1134*30mm
Package Detail	31pcs per pallet/124 pcs per 20' GP/620pcs per 40' HQ

Temeprature 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℃~+85℃
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

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