AIKO

COMET

Champion

Draft

G4-72Mw-2382 72 Mono-Glass
685W-695W



Technical Features:

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

BloombergNEF TIER 1 PV Modules

inter solar award 2023 WINNER

ESG TRANSPARENCY AWARD 2024/25

reddot winner

Ariel Green

CE

TÜVRheinland

15 year Product Warranty
*Extendable to 25years

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

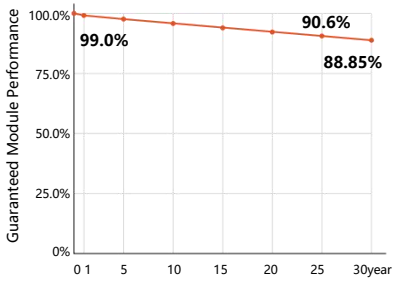
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

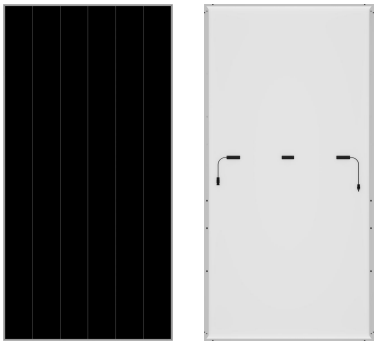
Comet 72

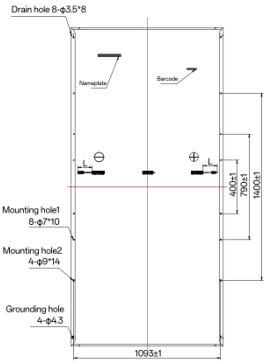
AIKO-A-MDE72Mw

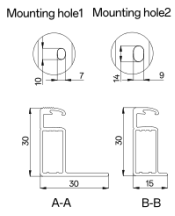
695W	25.7%	≤1%	≤0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

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-A685-MDE72Mw		AIKO-A690-MDE72Mw		AIKO-A695-MDE72Mw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	685	519	690	523	695	527
V_{oc} [V]	55.00	52.18	55.20	52.37	55.40	52.56
V_{mp} [V]	46.00	43.64	46.10	43.74	46.20	43.83
I_{sc} [A]	15.53	12.55	15.59	12.60	15.65	12.65
I_{mp} [A]	14.90	11.91	14.97	11.97	15.05	12.03
Module Efficiency	**25.4%**		**25.5%**		**25.7%**	

Product Specification

Cell Type	N-Type ABC
Glass	3.2mm tempered glass
Backsheet	High weather resistant backsheet
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	28.2kg±3%
Dimension	2382*1134*30mm
Package Detail	36pcs per pallet / 144pcs 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%/ ℃
NOCT(Nominal Operating Cell Temperature	45℃ (±2℃)

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

Installer Community

Get rewarded
for installing AIKO

*AIKO reserves right to update the specification without notice
*Optional Ariel Green coverage is available upon request
202611_V1.1__EN