AIKO

NEOSTAR

Draft

G4-60Db Dual-Glass
535W-550W

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

intersolar award 2023 WINNER

ESG Investment Award 2024/25

reddot winner

Ariel Green

CE

TÜVRheinland

25 year Product Warranty

30 year Performance Warranty

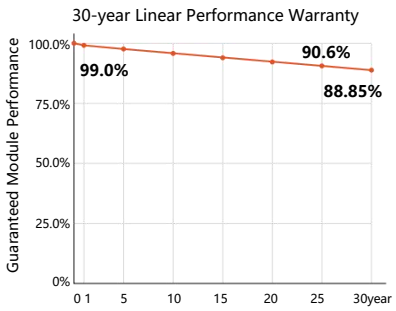
IEC61215/IEC61730
IEC61701/IEC62716

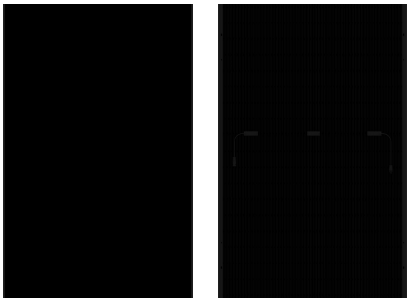
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

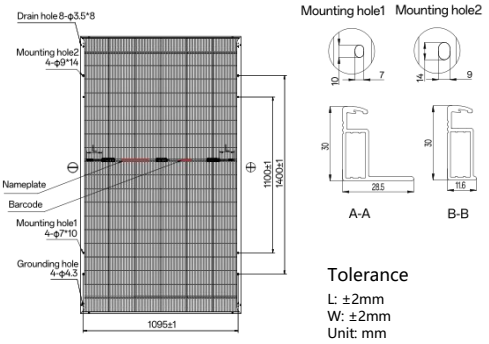
Neostar 60

AIKO-A-MCE60Db

550W	24.8%	≤1%	≤0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30







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-A535-MCE60Db			AIKO-A540-MCE60Db			AIKO-A545-MCE60Db			AIKO-A550-MCE60Db		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P_{max} [W]	535	405	565	540	409	570	545	413	575	550	417	580
V_{oc} [V]	45.50	43.17	45.50	45.60	43.26	45.60	45.70	43.36	45.70	45.80	43.45	45.80
V_{mp} [V]	38.30	36.34	38.30	38.40	36.43	38.40	38.50	36.53	38.50	38.60	36.62	38.60
I_{sc} [A]	14.80	11.96	15.60	14.84	11.99	15.64	14.88	12.02	15.68	14.92	12.06	15.72
I_{mp} [A]	13.97	11.17	14.76	14.07	11.25	14.85	14.16	11.32	14.94	14.25	11.40	15.03
Module Efficiency		**24.1%**			**24.4%**			**24.6%**			**24.8%**	

Product Specification

Cell Type	N-Type ABC
Front cover	2.0mm coated semi tempered glass
Rear cover	2.0mm semi-tempered glass
Frame	Black Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) ±1200mm
No. of Cells	120(6*20)
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4-EVO2A
Weight	27.1kg±3%
Dimension	1954*1134*30mm
Package Detail	37pcs per pallet / 185pcs per 20'GP / 888pcs 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	30A
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 A

Installer Community

Get rewarded
for installing AIKO

*AIKO reserves right to update the specification without notice
*Optional Ariel Green coverage is available upon request
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