AIKO

NEOSTAR

Draft

G4–60Db–1954

60 Dual–Glass single–sided 535W–560W



Technical Features:

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

BloombergNEF TIER 1 PV Modules

ESG TRANSPARENCY AWARD 2023/24 EXCELLENCE

inter solar award 2023 WINNER

reddot winner 2023

Warranty partner

Munich RE

CE

TÜVRheinland

25 year Product Warranty

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

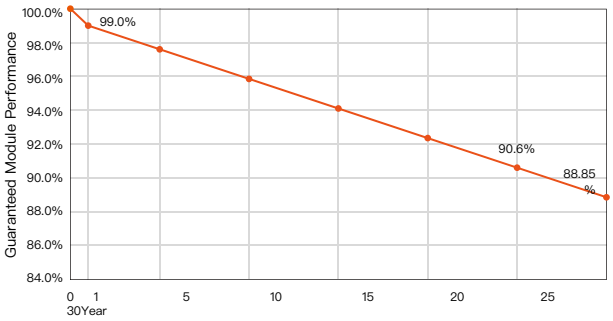
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

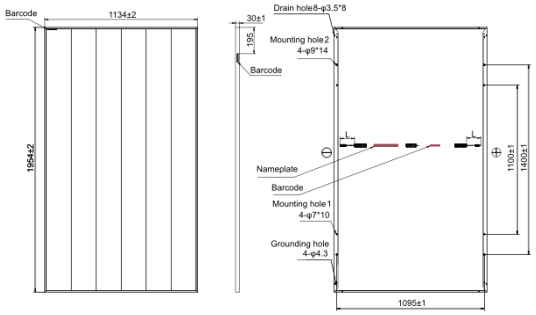
Neostar 60

AIKO-A-MCE60Db

560W	25.3%	⩽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-A535-MCE60Db		AIKO-A540-MCE60Db		AIKO-A545-MCE60Db		AIKO-A550-MCE60Db		AIKO-A555-MCE60Db		AIKO-A560-MCE60Db	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	535	405	540	409	545	413	550	417	555	421	560	424
V_{oc} [V]	44.98	42.67	45.08	42.77	45.18	42.86	45.28	42.96	45.38	43.05	45.53	43.2
V_{mp} [V]	37.89	35.95	37.99	36.04	38.09	36.14	38.19	36.23	38.29	36.33	38.39	36.42
I_{sc} [A]	15.07	12.18	15.13	12.23	15.19	12.27	15.25	12.32	15.31	12.37	15.37	12.42
I_{mp} [A]	14.13	11.29	14.22	11.37	14.31	11.48	14.41	11.52	14.5	11.59	14.59	11.67
Module Efficiency	24.1%		24.4%		24.6%		24.8%		25.0%		25.3%	

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%/ ℃

Installation Guide

Operation Temperature	-40℃ ~ +70℃
Maximum Series Fuse Rating	30A
Protection Class	Class II
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

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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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