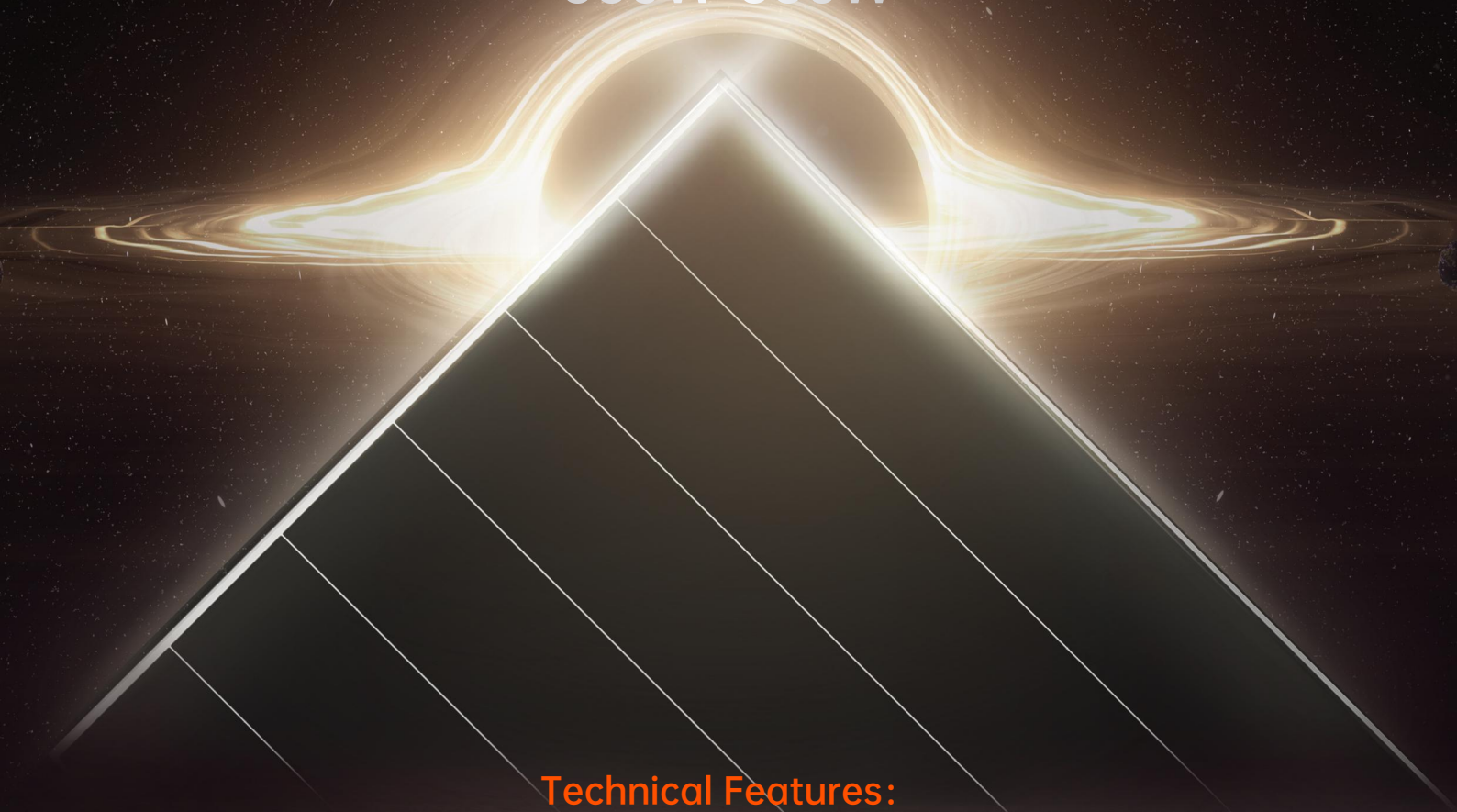
AIKO

NEOSTAR

3P+60w Dual-Glass Module

530W-550W



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 Awards 2023/24

inter solar award 2023 WINNER

reddot winner 2023

Ariel Green

TÜVRheinland

15 year Product Warranty Extendable to 25years*

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

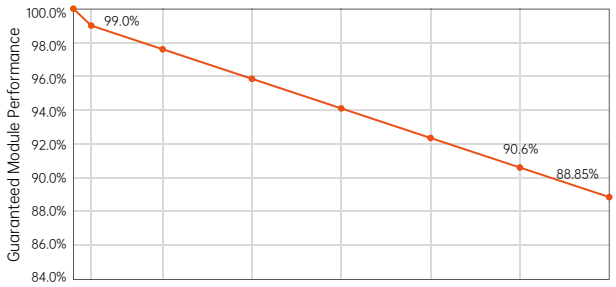
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

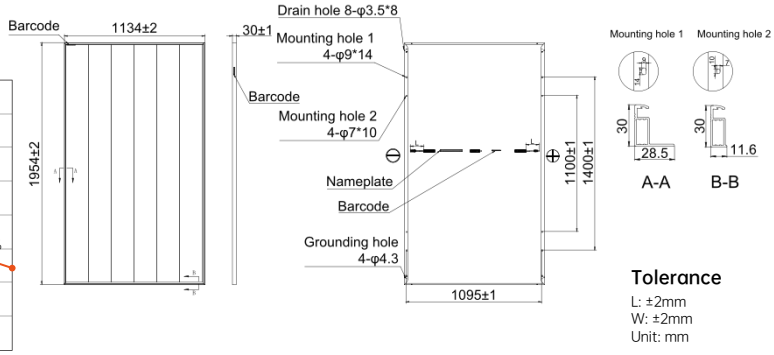
Neostar 3P+60w

AIKO-A-MCE60Dw

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

30-year Linear Performance Warranty





Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s)

Power Tolerance:0~ + 3%

Module Type	AIKO-A530-MCE60Dw		AIKO-A535-MCE60Dw		AIKO-A540-MCE60Dw		AIKO-A545-MCE60Dw		AIKO-A550-MCE60Dw	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	530	402	535	405	540	409	545	413	550	417
V_{oc} [V]	45.40	43.07	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45
V_{mp} [V]	38.20	36.24	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62
I_{sc} [A]	14.76	11.93	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06
I_{mp} [A]	13.88	11.10	13.97	11.17	14.07	11.25	14.16	11.32	14.25	11.40
Module Efficiency	**23.9%**		**24.1%**		**24.4%**		**24.6%**		**24.8%**	

Product Specification

Cell Type	N-Type ABC
Glass	Dual glass,2.0+2.0mm coated 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	25A
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 Ariel Green coverage is available upon request
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