AIKO

NEOSTAR

3S+60 Dual-Glass Module

515W-545W



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

inter solar award 2023 WINNER

reddot winner 2023

Ariel Green

CE

TÜVRheinland

25 year Product Warranty

30 year Performance Warranty

IEC61215/IEC61730
IEC61701/IEC62716

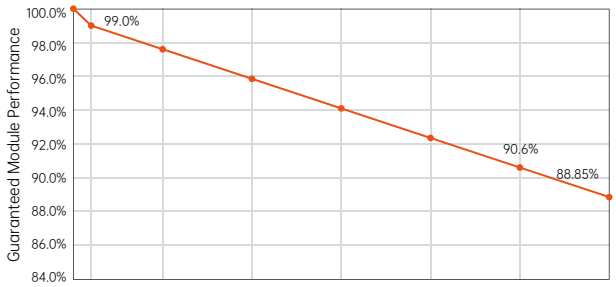
ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

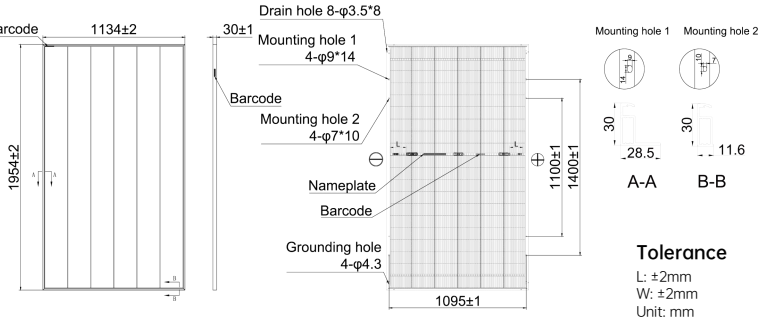
Neostar 3S+60

AIKO-A-MCE60Db

545W	24.6%	≤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-A515-MCE60Db			AIKO-A520-MCE60Db			AIKO-A525-MCE60Db			AIKO-A530-MCE60Db			AIKO-A535-MCE60Db			AIKO-A540-MCE60Db			AIKO-A545-MCE60Db		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P_{max} [W]	515	390	545	520	394	550	525	398	555	530	402	560	535	405	565	540	409	570	545	413	575
V_{oc} [V]	45.10	42.79	45.10	45.20	42.88	45.20	45.30	42.98	45.30	45.40	43.07	45.40	45.50	43.17	45.50	45.60	43.26	45.60	45.70	43.36	45.70
V_{mp} [V]	37.90	35.96	37.90	38.00	36.05	38.00	38.10	36.15	38.10	38.20	36.24	38.20	38.30	36.34	38.30	38.40	36.43	38.40	38.50	36.53	38.50
I_{sc} [A]	14.66	11.85	15.44	14.69	11.87	15.48	14.72	11.89	15.52	14.76	11.93	15.56	14.80	11.96	15.60	14.84	11.99	15.64	14.88	12.02	15.68
I_{mp} [A]	13.59	10.87	14.39	13.69	10.94	14.48	13.79	11.02	14.57	13.88	11.10	14.67	13.97	11.17	14.76	14.07	11.25	14.85	14.16	11.32	14.94
Module Efficiency	**23.2%**			**23.5%**			**23.7%**			**23.9%**			**24.1%**			**24.4%**			**24.6%**		

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 Ariel Green coverage is available upon request
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