AIKO

NEOSTAR

3S+60 Dual-Glass Bifacial Module

515W-540W

Technical Features:

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

TIER 1 BloombergNEF

ESG Transparency Award 2023/24

inter solar award 2023 WINNER

reddot winner 2023

25 year Product Warranty

30 year Performance Warranty

CE

TÜVRheinland

Warranty partner

Munich RE

IEC 61215 IEC 61730

2014/35/EU

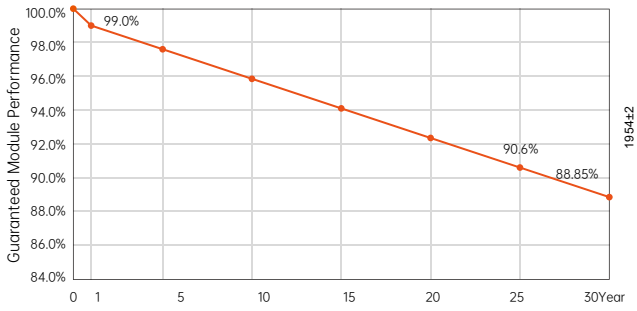
ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

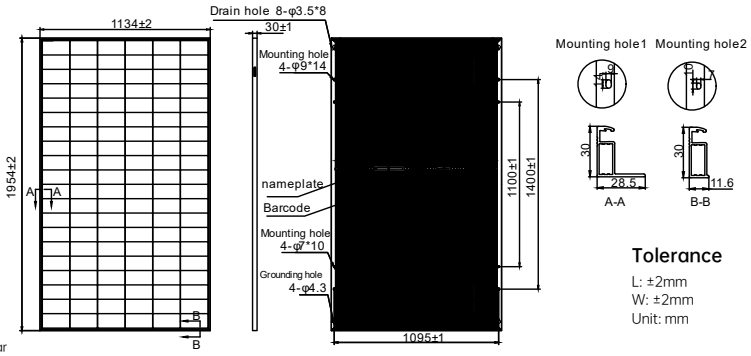
Neostar 3S+60

AIKO-A-MCE60Db

540W	24.4%	≤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	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	515	390	520	394	525	398	530	402	535	405	540	409
V_{oc} [V]	45.10	42.79	45.20	42.88	45.30	42.98	45.40	43.07	45.50	43.17	45.60	43.26
V_{mp} [V]	37.90	35.96	38.00	36.05	38.10	36.15	38.20	36.24	38.30	36.34	38.40	36.43
I_{sc} [A]	14.66	11.85	14.69	11.87	14.72	11.89	14.76	11.93	14.80	11.96	14.84	11.99
I_{mp} [A]	13.59	10.87	13.69	10.94	13.79	11.02	13.88	11.10	13.97	11.17	14.07	11.25
Module Efficiency	**23.2%**		**23.5%**		**23.7%**		**23.9%**		**24.1%**		**24.4%**	

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	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	ClassII
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	35 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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