AIKO

NEOSTAR

3S60 Mono-Glass Module

530W-555W

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 AWARD 2023/24 EXCELLENCE

inter solar award 2023 WINNER

reddot winner 2023

25 year Product Warranty

30 year Performance Warranty

CE

TÜVRheinland

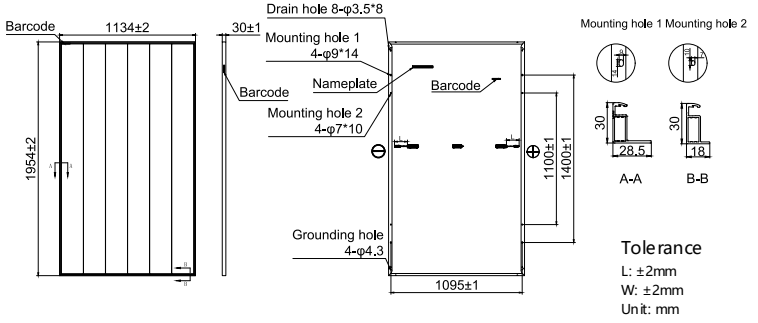
Warranty partner

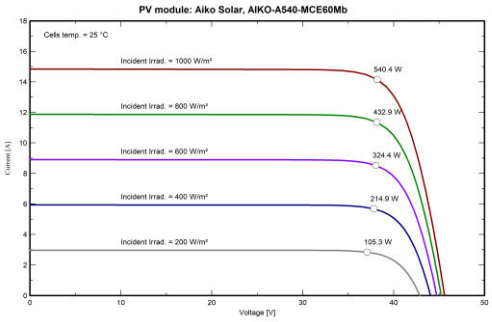
Munich RE

Neostar 3S60

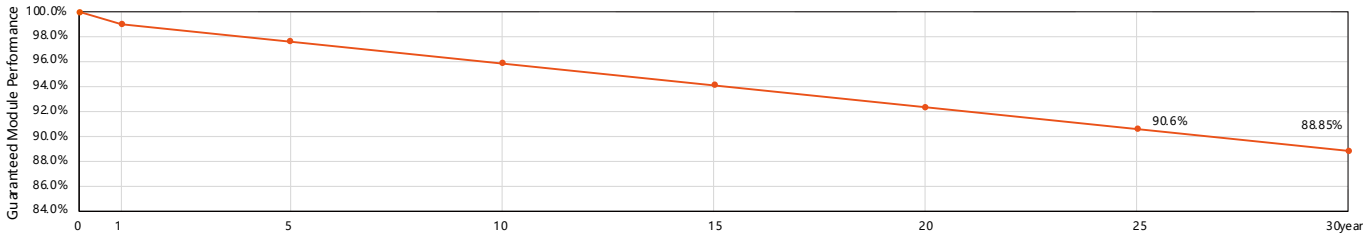
AIKO-A-MCE60Mb

555W	25.0%	≤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)

Pmax, Isc & Voc Measurement Tolerance: ±3%
Power Binning Tolerance: 0~+3%

Module Type	AIKO-A530-MCE60Mb		AIKO-A535-MCE60Mb		AIKO-A540-MCE60Mb		AIKO-A545-MCE60Mb		AIKO-A550-MCE60Mb		AIKO-A555-MCE60Mb	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	530	402	535	405	540	409	545	413	550	417	555	421
V_{oc} [V]	45.40	43.07	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45	45.90	43.55
V_{mp} [V]	38.20	36.24	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62	38.70	36.72
I_{sc} [A]	14.76	11.93	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06	14.96	12.09
I_{mp} [A]	13.88	11.10	13.97	11.17	14.07	11.25	14.16	11.32	14.25	11.40	14.35	11.47
Module Efficiency	**23.9%**		**24.1%**		**24.4%**		**24.6%**		**24.8%**		**25.0%**	

Product Specification

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered glass
Backsheet	High weather resistant backsheet
Frame	Black Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) ±1200mm
No. of Cells	120(6*20)
Junction Box	IP68, 3 bypass diodes
Connector	Staubli Electrical Connectors AG – MC4 EVO2 Series PV-KST4-EVO 2/xy_UR (Male), PV-KBT4-EVO 2/xy_UR (Female)
Weight	23.2kg±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%/ °C
Temperature Coefficient of V_{oc}	- 0.22%/ °C
Temperature Coefficient of P_{max}	- 0.26%/ °C

Installation Guide

T_{98} max	70℃
Operation Temperature	-40℃ to +70℃
Maximum Series Fuse Rating	25A
Protection Class	ClassⅡ
Maximum System Voltage	DC1500V
Maximum Static Loading	Front +5400Pa Back -2400Pa
Hail Test	35 mm diameter hail at 27.2 m/s
Fire Rating	IEC Class C

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Made in China

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

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