

NEOSTAR

3P60 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



red dot winner 2023



Product
Warranty



Performance
Warranty



Warranty partner

Munich RE



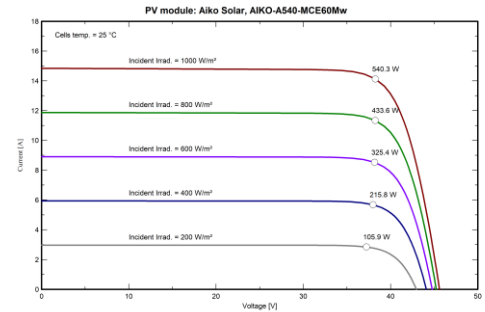
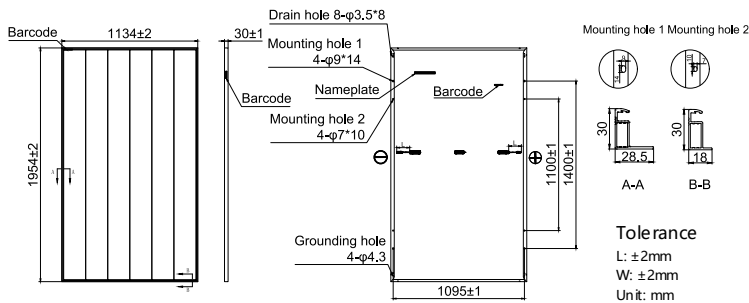
Made in China

555W
Output

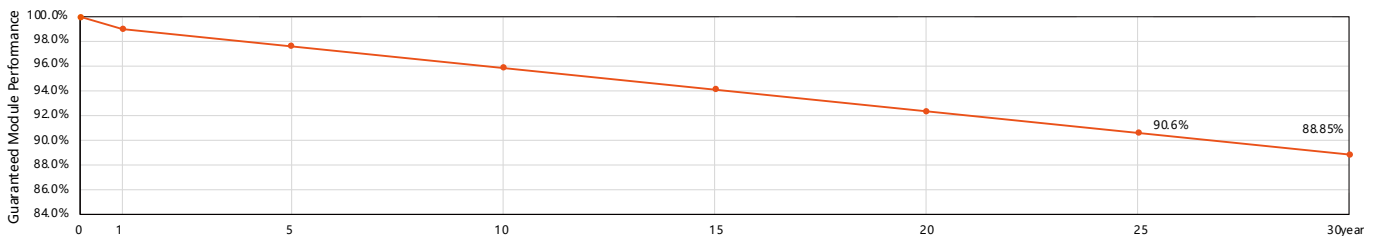
25.0%
Efficiency

≤1%
First-year Degradation

≤0.35%
Annual Degradation from Year 2-30



30-year Linear Performance Warranty



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

P_{max}, I_{sc} & V_{oc} Measurement Tolerance: ±3%
Power Binning Tolerance: 0~+3%

Module Type	AIKO-A530-MCE60Mw		AIKO-A535-MCE60Mw		AIKO-A540-MCE60Mw		AIKO-A545-MCE60Mw		AIKO-A550-MCE60Mw		AIKO-A555-MCE60Mw	
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
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 _g max	70°C
Module Operation Temperature	-40°C to +70°C
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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