

# NEOSTAR

3P+60 Dual-Glass Bifacial 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



red dot winner 2023



Product Warranty  
Extendable to 25years\*



Performance Warranty



IEC 61215 IEC 61730  
2014/35/EU



Warranty partner

Munich RE 

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

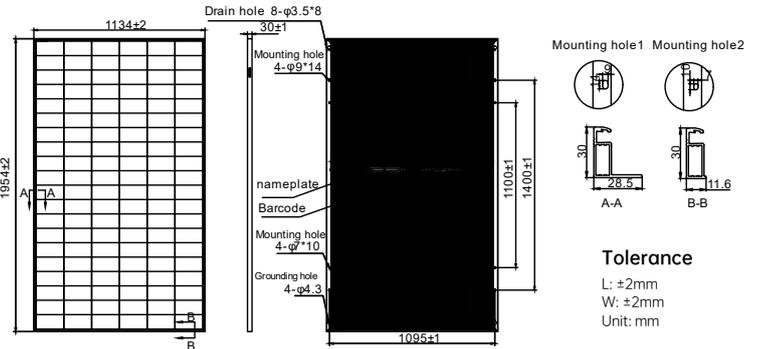
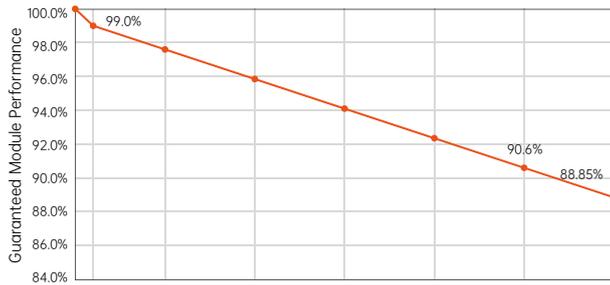
**550W**  
Output

**24.8%**  
Efficiency

**≤1%**  
First-year Degradation

**≤0.35%**  
Annual Degradation from Year 2-30

**30-year Linear Performance Warranty**



**Electrical Characteristics** (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s) Power Tolerance: 0~ + 3%

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

**Product Specification**

Cell Type	N-Type ABC
Glass	Dual glass, 2.0+2.0mm coated semi tempered glass
Frame	Black Anodized aluminum
Cable	4mm <sup>2</sup> (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 <sub>sc</sub>	+ 0.05%/ °C
Temperature Coefficient of V <sub>oc</sub>	- 0.22%/ °C
Temperature Coefficient of P <sub>max</sub>	- 0.26%/ °C

**Installation Guide**

Operation Temperature	-40°C - +70°C
Maximum Series Fuse Rating	30A
Protection Class	Class II
V <sub>oc</sub> and I <sub>sc</sub> Tolerance	±3%
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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