



# 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



red dot winner 2023



Product Warranty



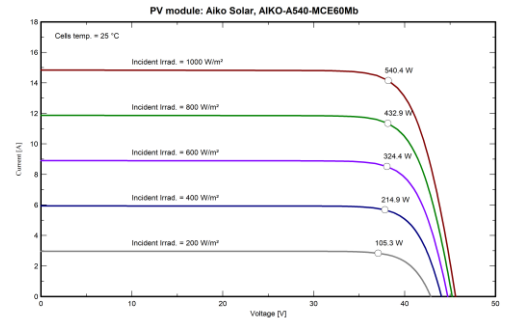
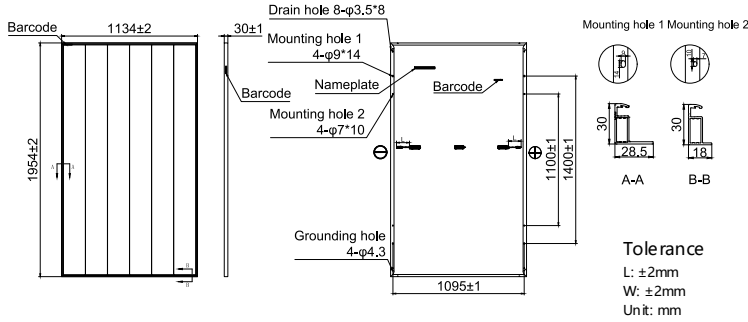
Performance Warranty



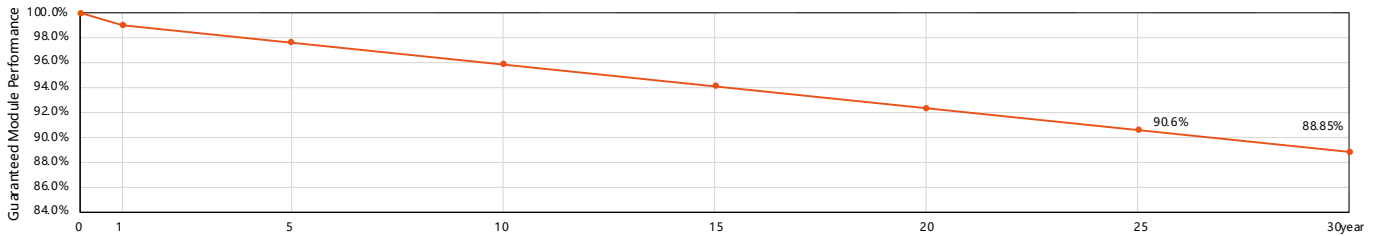
Warranty partner

Munich RE 

**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: AM 1.5 1000W/m<sup>2</sup> 25°C NOCT: AM 1.5 800W/m<sup>2</sup> 20°C 1m/s) P<sub>max</sub>, I<sub>sc</sub> & V<sub>oc</sub> 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	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P <sub>max</sub> [W]	530	402	535	405	540	409	545	413	550	417	555	421
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	45.90	43.55
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	38.70	36.72
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	14.96	12.09
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	14.35	11.47
Module Efficiency	<b>23.9%</b>		<b>24.1%</b>		<b>24.4%</b>		<b>24.6%</b>		<b>24.8%</b>		<b>25.0%</b>	

**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	4mm <sup>2</sup> (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 <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**

T <sub>38</sub> max	70°C
Operation Temperature	-40°C to +70°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
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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\*AIKO reserves right to update the specification without notice  
 \*Optional Munich Re coverage is available upon request  
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