



# NEOSTAR


2P60 Mono-Glass Module


500W-525W


## Technical Features:

 Partial Shading Optimisation

 Better Temperature Coefficient

 High Temperature Restriction

 Micro-crack Resistance

 Higher Power

 Lower BOS

 More Aesthetic Values

 Infinite Technology



reddot winner 2023




Product Warranty



Performance Warranty



Warranty partner

Munich RE 

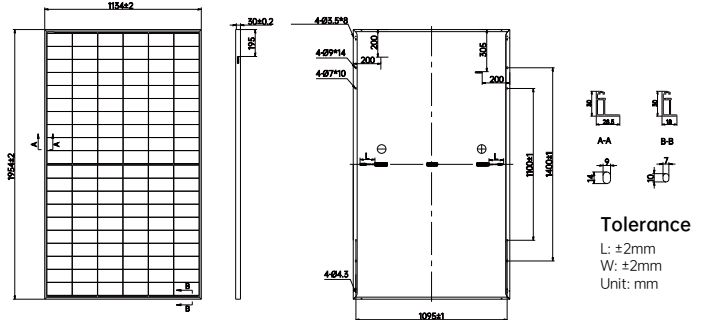
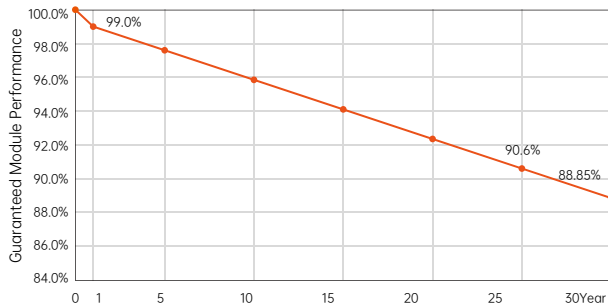
**525W**  
Output

**23.7%**  
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-A500-MAH60Mw		AIKO-A505-MAH60Mw		AIKO-A510-MAH60Mw		AIKO-A515-MAH60Mw		AIKO-A520-MAH60Mw		AIKO-A525-MAH60Mw		
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
P <sub>max</sub> [W]	500	379	505	383	510	386	515	390	520	394	525	398	
V <sub>oc</sub> [V]	45.02	42.71	45.12	42.80	45.22	42.90	45.32	42.99	45.42	43.09	45.52	43.18	
V <sub>mp</sub> [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 <sub>sc</sub> [A]	14.05	11.35	14.11	11.40	14.17	11.45	14.23	11.49	14.29	11.54	14.35	11.59	
I <sub>mp</sub> [A]	13.20	10.55	13.30	10.63	13.39	10.70	13.49	10.78	13.58	10.86	13.68	10.93	
<b>Module Efficiency</b>	<b>22.6%</b>		<b>22.8%</b>		<b>23.0%</b>		<b>23.2%</b>		<b>23.5%</b>		<b>23.7%</b>		

Product Specification	
Cell Type	N-Type ABC
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	Original MC4-EVO2A
Weight	23.1kg±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	25A
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 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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