


# 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



red dot winner 2023



Product Warranty  
Extendable to 25years\*



Performance Warranty



IEC 61215 IEC 61730  
2014/35/EU



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

Warranty partner

Munich RE 

## 525W

Output

## 23.7%

Efficiency

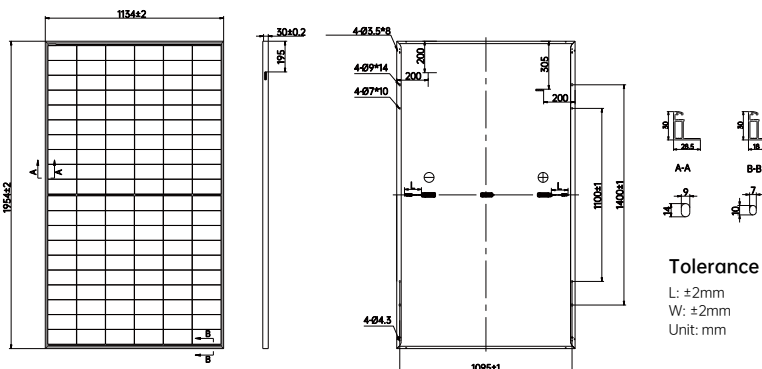
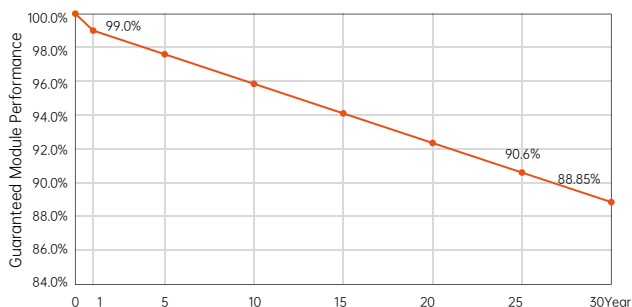
## ≤1%

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
P <sub>max</sub> [W]	500	379	505	383	510	386
V <sub>oc</sub> [V]	45.02	42.71	45.12	42.80	45.22	42.90
V <sub>mp</sub> [V]	37.90	35.96	38.00	36.05	38.10	36.15
I <sub>sc</sub> [A]	14.05	11.35	14.11	11.40	14.17	11.45
I <sub>mp</sub> [A]	13.20	10.55	13.30	10.63	13.39	10.70
<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	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	ClassII
V <sub>oc</sub> and I <sub>sc</sub> Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	40 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

