

NEOSTAR

3S+60 Dual-Glass Bifacial Module
515W-540W

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



IEC 61215 IEC 61730
2014/35/EU



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

Warranty partner

Munich RE 

540W

Output

24.4%

Efficiency

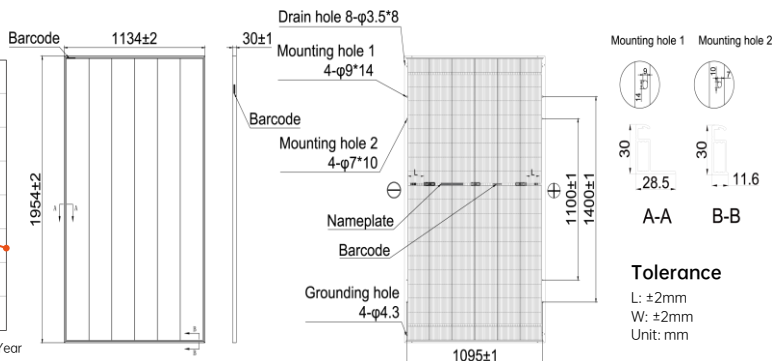
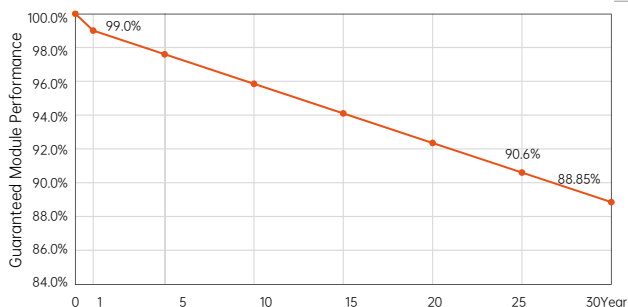
≤1%

First-year Degradation

≤0.35%

Annual Degradation from Year 2-30

30-year Linear Performance Warranty



Tolerance
 L: ±2mm
 W: ±2mm
 Unit: mm

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s) Power Tolerance: 0~ +3%

Module Type	AIKO-A515-MCE60Db	AIKO-A520-MCE60Db	AIKO-A525-MCE60Db	AIKO-A530-MCE60Db	AIKO-A535-MCE60Db	AIKO-A540-MCE60Db
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	515	390	520	394	525	398
V _{oc} [V]	45.10	42.79	45.20	42.88	45.30	42.98
V _{mp} [V]	37.90	35.96	38.00	36.05	38.10	36.15
I _{sc} [A]	14.66	11.85	14.69	11.87	14.72	11.89
I _{mp} [A]	13.59	10.87	13.69	10.94	13.79	11.02
Module Efficiency	23.2%		23.5%		23.7%	
					23.9%	
						24.1%
						24.4%

Product Specification

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

Installation Guide

Operation Temperature	-40°C - +70°C
Maximum Series Fuse Rating	30A
Protection Class	ClassII
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

