

NEOSTAR

3P+60w Dual-Glass 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



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

Warranty partner

Munich RE 

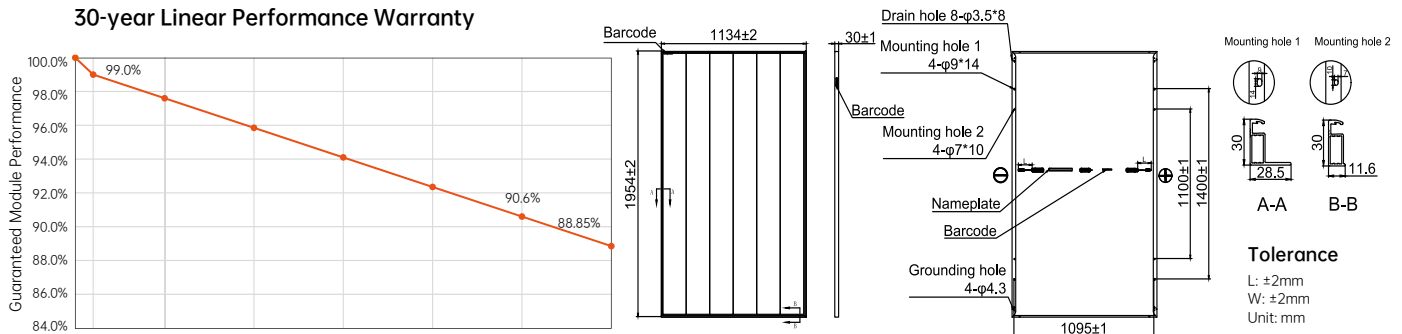
550W
Output

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/m² 25°C NOCT: AM1.5 800W/m² 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	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	530	402	535	405	540	409	545	413	550	417
V _{oc} [V]	45.40	43.07	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45
V _{mp} [V]	38.20	36.24	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62
I _{sc} [A]	14.76	11.93	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06
I _{mp} [A]	13.88	11.10	13.97	11.17	14.07	11.25	14.16	11.32	14.25	11.40
Module Efficiency	23.9%		24.1%		24.4%		24.6%		24.8%	

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	Class II
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

