

NEOSTAR

3P+60 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



Ariel Green



Product
Warranty
Extendable to 25years*



Performance
Warranty

IEC61215/IEC61730
IEC61701/IEC62716

ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

550W

Output

24.8%

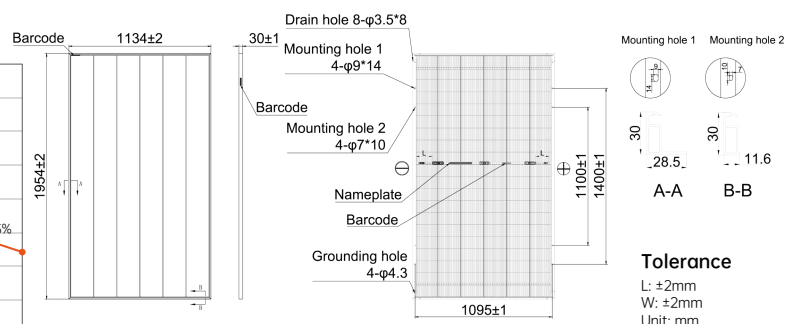
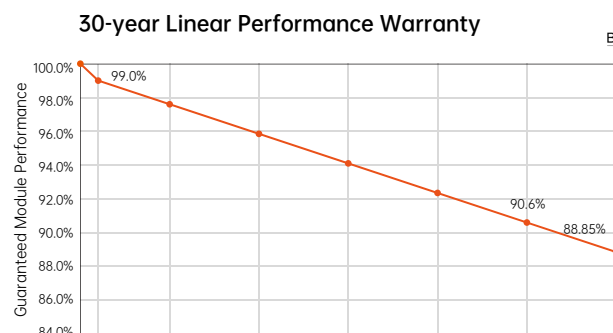
Efficiency

≤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	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P _{max} [W]	530	402	560	535	405	565	540	409	570	545	413	575	550	417	580
V _{oc} [V]	45.40	43.07	45.40	45.50	43.17	45.50	45.60	43.26	45.60	45.70	43.36	45.70	45.80	43.45	45.80
V _{mp} [V]	38.20	36.24	38.20	38.30	36.34	38.30	38.40	36.43	38.40	38.50	36.53	38.50	38.60	36.62	38.60
I _{sc} [A]	14.76	11.93	15.56	14.80	11.96	15.60	14.84	11.99	15.64	14.88	12.02	15.68	14.92	12.06	15.72
I _{mp} [A]	13.88	11.10	14.67	13.97	11.17	14.76	14.07	11.25	14.85	14.16	11.32	14.94	14.25	11.40	15.03
Module Efficiency	23.9%			24.1%			24.4%			24.6%			24.8%		

Product Specification

Cell Type	N-Type ABC
Front cover	2.0mm coated semi tempered glass
Rear cover	2.0mm 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	Original 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	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class A



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*AIKO reserves right to update the specification without notice
*Optional Ariel Green coverage is available upon request
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