

NEOSTAR

Draft

G4-60Db

Dual-Glass

535W-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



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

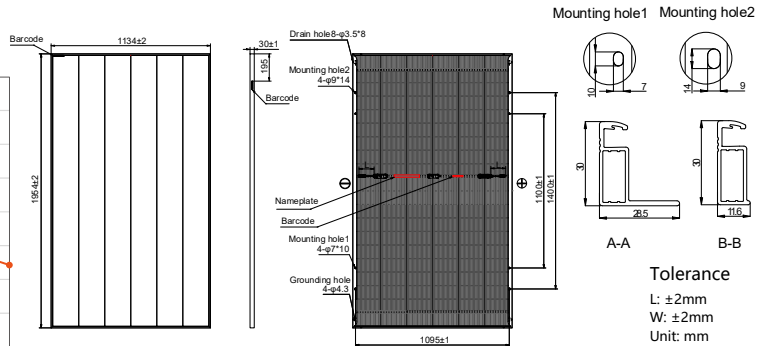
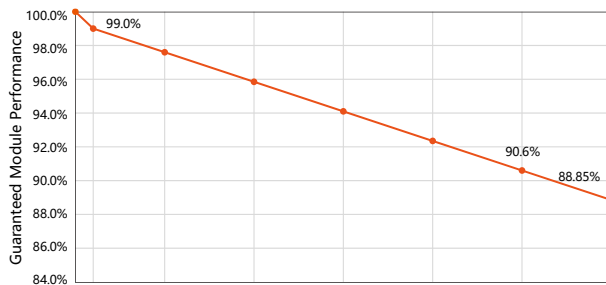
550W
Output

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-A535-MCE60Db			AIKO-A540-MCE60Db			AIKO-A545-MCE60Db			AIKO-A550-MCE60Db		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P_{max} [W]	535	405	560	540	409	565	545	413	570	550	417	575
V_{oc} [V]	44.98	42.67	44.98	45.08	42.77	45.08	45.18	42.86	45.18	45.28	42.96	45.28
V_{mp} [V]	37.89	35.95	37.89	37.99	36.04	37.99	38.09	36.14	38.09	38.19	36.23	38.19
I_{sc} [A]	15.07	12.18	15.88	15.13	12.23	15.95	15.19	12.27	16.02	15.25	12.32	16.09
I_{mp} [A]	14.13	11.29	14.78	14.22	11.37	14.88	14.31	11.48	14.97	14.41	11.52	15.06
Module Efficiency	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	4mm²(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
NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)

Installation Guide

Operation Temperature	-40°C - +70°C
Maximum Series Fuse Rating	25A
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

