

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

Warranty partner

Munich RE 



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%

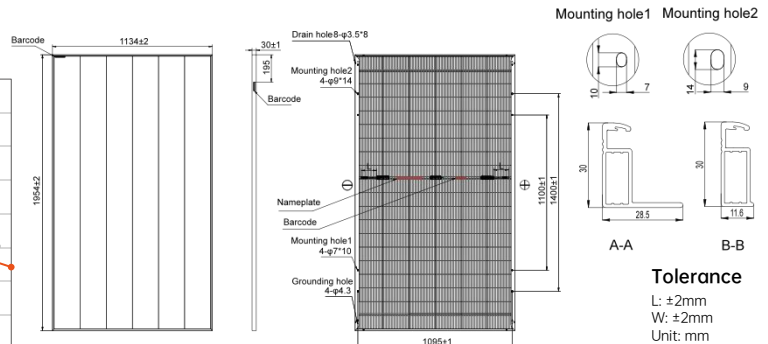
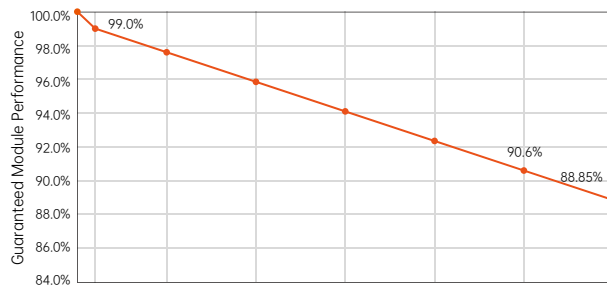
Efficiency

≤1%

First-year Degradation

≤0.35%

Annual Degradation from Year 2-30

30-year Linear Performance WarrantyElectrical 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	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	535	405	540	409	545	413	550	417
V _{oc} [V]	44.98	42.67	45.08	42.77	45.18	42.86	45.28	42.96
V _{mp} [V]	37.89	35.95	37.99	36.04	38.09	36.14	38.19	36.23
I _{sc} [A]	15.07	12.18	15.13	12.23	15.19	12.27	15.25	12.32
I _{mp} [A]	14.13	11.29	14.22	11.37	14.31	11.48	14.41	11.52
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	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

