

NEOSTAR

3S60 Mono-Glass Module
520W-545W

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

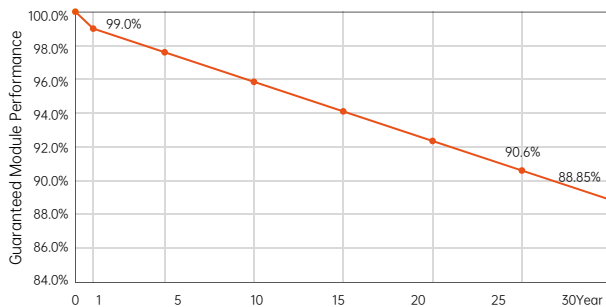
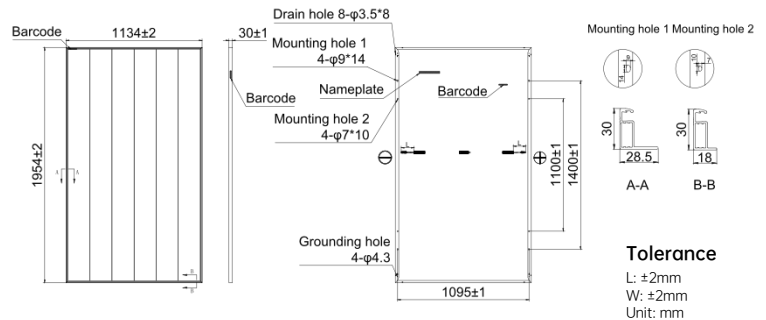
545W
Output

24.6%
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-A520-MCE60Mb	AIKO-A525-MCE60Mb	AIKO-A530-MCE60Mb	AIKO-A535-MCE60Mb	AIKO-A540-MCE60Mb	AIKO-A545-MCE60Mb
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	520	394	525	398	530	402
V _{oc} [V]	45.20	42.88	45.30	42.98	45.40	43.07
V _{mp} [V]	38.00	36.05	38.10	36.15	38.20	36.24
I _{sc} [A]	14.69	11.87	14.72	11.89	14.76	11.93
I _{mp} [A]	13.69	10.94	13.79	11.02	13.88	11.10
Module Efficiency	23.5%	23.7%	23.9%	24.1%	24.4%	24.6%

Product Specification

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered glass
Backsheet	High weather resistant backsheet
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	23.2kg±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	25A
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 C

