

NEOSTAR

3S54 Mono-Glass Module

480W-495W

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



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



Ariel Green



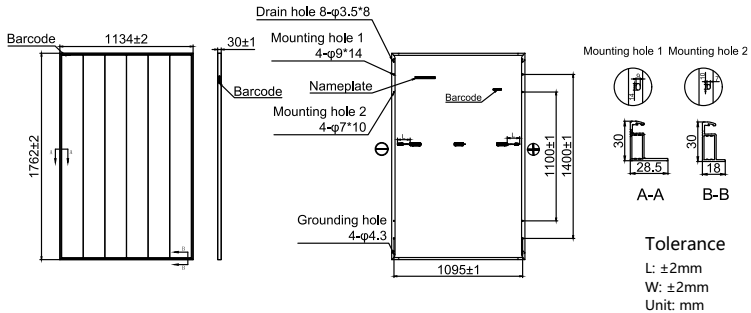
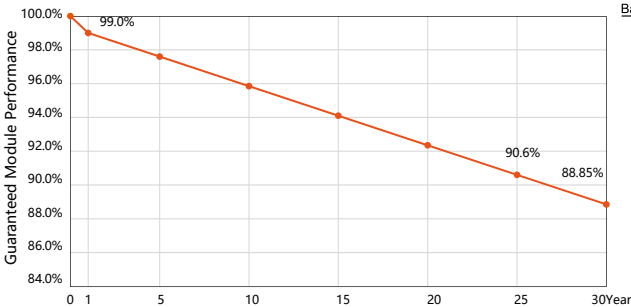
495W
Output

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/m ² 25°C NOCT: AM1.5 800W/m ² 20°C 1m/s)								Power Tolerance:0~ +3%	
Module Type	AIKO-A480-MCE54Mb		AIKO-A485-MCE54Mb		AIKO-A490-MCE54Mb		AIKO-A495-MCE54Mb		
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
P _{max} [W]	480	364	485	367	490	371	495	375	
V _{oc} [V]	40.90	38.80	41.00	38.90	41.10	38.99	41.20	39.09	
V _{mp} [V]	34.50	32.73	34.60	32.83	34.70	32.92	34.80	33.02	
I _{sc} [A]	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06	
I _{mp} [A]	13.92	11.13	14.02	11.21	14.13	11.29	14.23	11.37	
Module Efficiency	24.0%		24.3%		24.5%		24.8%		

Product Specification

Cell Type	N-Type ABC
Glass	3.2mm tempered glass
Backsheet	High weather resistant backsheet
Frame	Black anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
No. of Cells	108(6*18)
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4-EVO2A
Weight	21.1kg±3%
Dimension	1762*1134*30mm
Package Detail	37pcs per pallet / 222pcs per 20'GP / 962pcs 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	ClassII
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	40 mm diameter hail at 27.5 m/s
Fire Rating	IEC Class C



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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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