NEW

AIKO

NEOSTAR

3P60 Mono-Glass Module

535W-555W

Technical Feature

- Partial Shading Optimisation
- Better Temperature Coefficient
- High Temperature Restriction
- Micro-crack Resistance
- Higher Power
- Lower BOS
- More Aesthetic Values
- Infinite Technology

TIER 1 BloombergNEF

ESG Awards 2023/24

inter solar award 2023 WINNER

reddot winner 2023

25 year Product Warranty

30 year Performance Warranty

CE

TÜVRheinland

Warranty partner

Munich RE

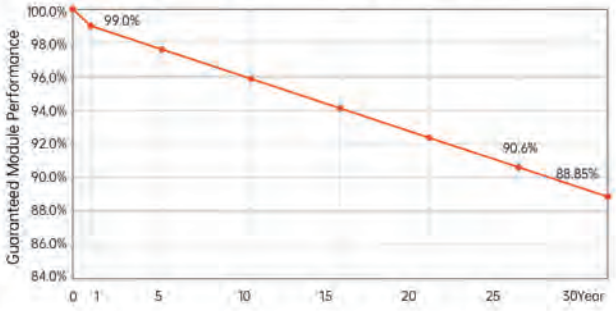
Make in China

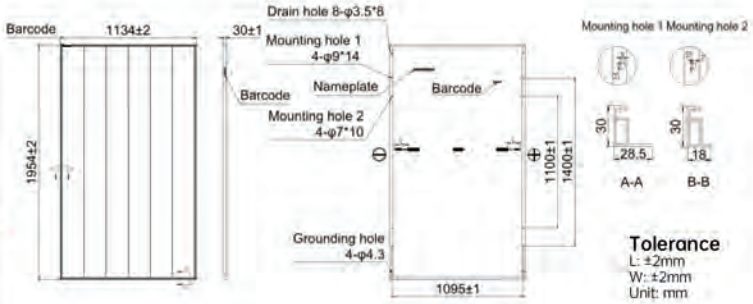
Neostar 3P60

AIKO-A-MCE60Mw

555W	25.0%	⩽1%	⩽0.35%
Output	Efficiency	First-year Degradation	Annual Degradation from Year 2-30

30-year Linear Performance Warranty





Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s)

Power Tolerance: 0~ + 3%

Module Type Test	AIKO-A535-MCE60Mw		AIKO-A540-MCE60Mw		AIKO-A545-MCE60Mw		AIKO-A550-MCE60Mw		AIKO-A555-MCE60Mw	
Conditions Pmax	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
[W]	535	405	540	409	545	413	550	417	555	421
Voc [V]	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45	45.90	43.55
Vmp [V]	38.30	36.34	38.40	36.43	38.50	36.53	38.60	36.62	38.70	36.72
Isc [A]	14.80	11.96	14.84	11.99	14.88	12.02	14.92	12.06	14.96	12.09
Imp [A]	13.97	11.17	14.07	11.25	14.16	11.32	14.25	11.40	14.35	11.47
Module Efficiency	**24.1%**		**24.4%**		**24.6%**		**24.8%**		**25.0%**	

Product Specification

Cell Type	N-Type ABC
Glass	3.2 mm tempered glass
Backsheet	High weather resistant backsheet
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	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 Isc	+ 0.05%/ ℃
Temperature Coefficient of Voc	- 0.22%/ ℃
Temperature Coefficient of P_{max}	- 0.26%/ ℃

Installation Guide

Module Operation Temperature	-40℃ - +70℃
Maximum Series Fuse Rating	25A
Protection Class Maximum	Class II
System Voltage Maximum	DC1500V
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 Munich Re coverage is available upon request
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