

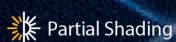


NEOSTAR Pro

3S54 Mono-Glass Module

480W-490W

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



Product
Warranty
Extendable to 25years*



Performance
Warranty



Warranty partner

Munich RE 

490W

Output

24.5%

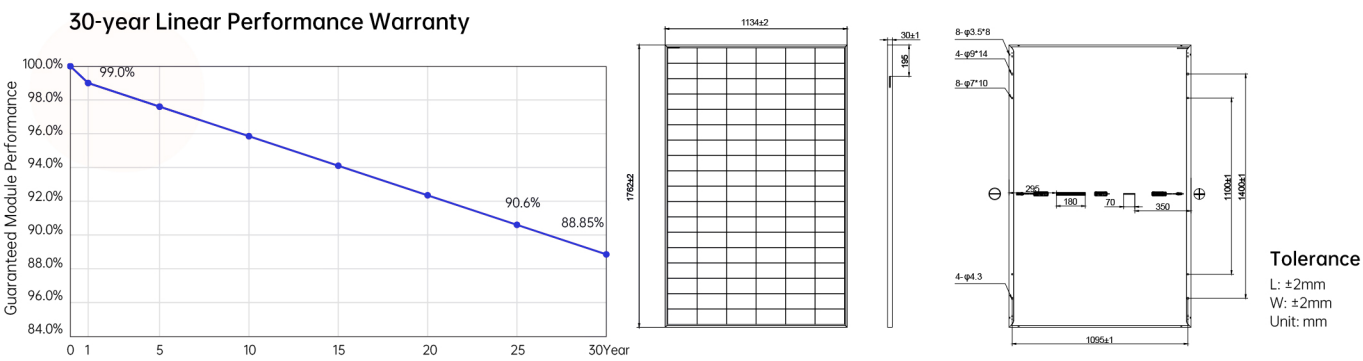
Efficiency

≤1%

First-year Degradation

≤0.35%

Annual Degradation from Year 2-30



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-A480-MCE54Mb		AIKO-A485-MCE54Mb		AIKO-A490-MCE54Mb	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	480	364	485	367	490	371
V _{oc} [V]	40.90	38.80	41.00	38.90	41.10	38.99
V _{mp} [V]	34.50	32.73	34.60	32.83	34.70	32.92
I _{sc} [A]	14.80	11.96	14.84	11.99	14.88	12.02
I _{mp} [A]	13.92	11.13	14.02	11.21	14.13	11.29
Module Efficiency	24.0%		24.3%		24.5%	

Product Specification	
Cell Type	N-Type ABC
Glass	3.2mm tempered glass
Backsheet	High weather resistant backsheet
Frame	Black anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) ±1200mm
No. of Cells	108(6*18)
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4
Weight	20.6kg±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 - +85°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 23 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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