

NEOSTAR

3N+78 Dual-glass Module
675W-700W

Technical Features:

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



reddot winner 2023




Product Warranty
(Extendable to 25years*)



Performance
Warranty



Munich RE 

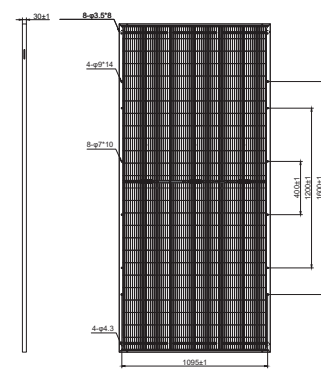
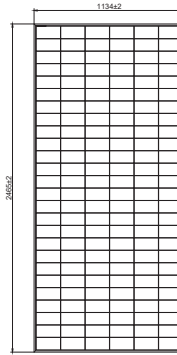
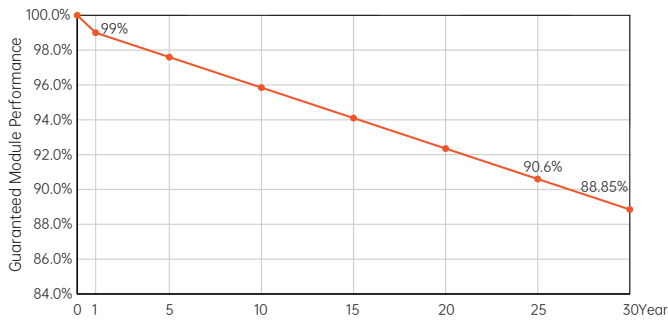
700W
Output

25.0%
Efficiency

≤1%
First-year Degradation

≤0.35%
Annual Degradation from Year 2-30

30-year Linear Performance Warranty



Tolerance
L: ±2mm
W: ±2mm
Unit: mm

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-A675-MAE78Dw		AIKO-A680-MAE78Dw		AIKO-A685-MAE78Dw		AIKO-A690-MAE78Dw		AIKO-A695-MAE78Dw		AIKO-A700-MAE78Dw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	675	508	680	512	685	516	690	520	695	523	700	527
V_{oc} [V]	58.98	55.70	59.04	55.75	59.10	55.81	59.16	55.87	59.22	55.92	59.28	55.98
V_{mp} [V]	48.85	46.14	48.91	46.19	48.97	46.25	49.03	46.31	49.09	46.36	49.15	46.42
I_{sc} [A]	14.49	11.72	14.56	11.78	14.63	11.83	14.70	11.89	14.77	11.95	14.84	12.00
I_{mp} [A]	13.82	11.03	13.91	11.1	13.99	11.17	14.08	11.23	14.16	11.30	14.25	11.37
Module Efficiency	24.1%		24.3%		24.5%		24.7%		24.9%		25.0%	

Product Specification

Cell type	N-Type ABC
Glass	Dual glass, 2.0+2.0mm coated semi-tempered glass
Frame	Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
No. of Cells	156(6*26)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 compatible
Weight	34.5kg±3%
Dimension	2465*1134*30mm
Package Detail	37pcs per pallet /148pcs per 20'GP/ 592pcs 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	Class II
Maximum System Voltage	DC1500V
Maximum Static Loading	+5400Pa/-2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class C

