

STELLAR

Draft

3N+72 Dual-Glass Bifacial Module
650W-685W

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



Performance
Warranty



IEC 61215 IEC 61730
2014/35/EU



ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

Warranty partner

Munich RE



685W

Output

25.4%

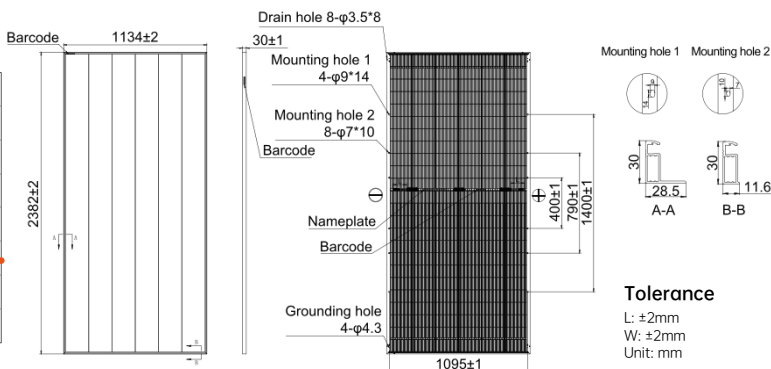
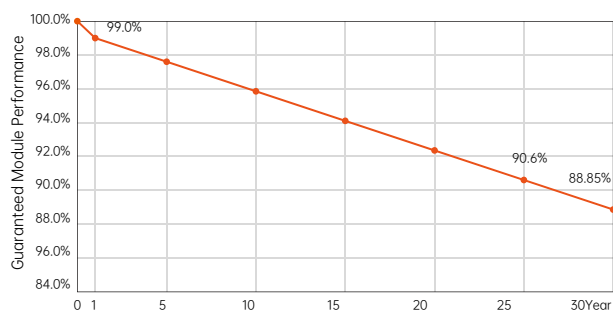
Efficiency

≤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-A650-MDE72Dw			AIKO-A655-MDE72Dw			AIKO-A660-MDE72Dw			AIKO-A665-MDE72Dw			AIKO-A670-MDE72Dw			AIKO-A675-MDE72Dw			AIKO-A680-MDE72Dw			AIKO-A685-MDE72Dw		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P _{max} [W]	650	493	685	655	496	690	660	500	695	665	504	700	670	508	705	675	512	710	680	515	715	685	519	720
V _{oc} [V]	54.00	51.23	54.00	54.10	51.33	54.10	54.20	51.42	54.20	54.40	51.61	54.40	54.60	51.80	54.60	54.80	51.99	54.80	55.00	52.18	55.00	55.20	52.37	55.20
V _{mp} [V]	45.30	42.98	45.30	45.40	43.07	45.40	45.50	43.17	45.50	45.60	43.26	45.60	45.70	43.36	45.70	45.80	43.45	45.80	45.90	43.55	45.90	46.00	43.64	46.00
I _{sc} [A]	15.06	12.17	15.88	15.12	12.22	15.94	15.18	12.27	16.00	15.24	12.31	16.06	15.30	12.36	16.12	15.36	12.41	16.18	15.42	12.46	16.24	15.48	12.51	16.30
I _{mp} [A]	14.35	11.48	15.13	14.43	11.54	15.20	14.51	11.60	15.28	14.59	11.66	15.36	14.67	11.72	15.43	14.74	11.79	15.51	14.82	11.85	15.58	14.90	11.91	15.66
Module Efficiency	24.1%			24.2%			24.4%			24.6%			24.8%			25.1%			25.2%			25.4%		

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) +400mm, -200mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/MC4-EVO2A
Weight	32.2kg±3%
Dimension	2382*1134*30mm
Package Detail	36pcs per pallet / 144pcs per 20'GP / 720pcs 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	30A
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 A

