

STELLAR

3N+72 Dual-glass Module
650W-675W

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 

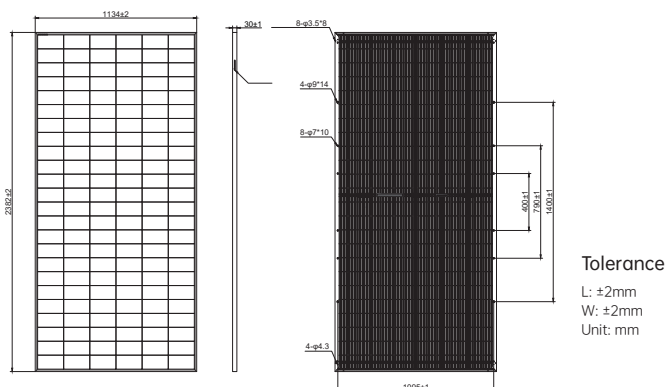
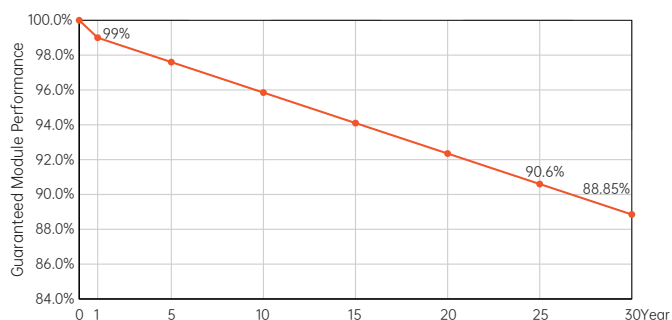
675W
Output

25.0%
Efficiency

 $\leq 1\%$
First-year Degradation

 $\leq 0.35\%$
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	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	650	493	655	496	660	500	665	504	670	508	675	512
V _{oc} [V]	54.00	51.23	54.10	51.33	54.20	51.42	54.40	51.61	54.60	51.80	54.80	51.99
V _{mp} [V]	45.30	42.98	45.40	43.07	45.50	43.17	45.60	43.26	45.70	43.36	45.80	43.45
I _{sc} [A]	15.06	12.17	15.12	12.22	15.18	12.27	15.24	12.31	15.30	12.36	15.36	12.41
I _{mp} [A]	14.35	11.48	14.43	11.54	14.51	11.60	14.59	11.66	14.67	11.72	14.74	11.79
Module Efficiency	24.1%		24.2%		24.4%		24.6%		24.8%		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) +350mm,-280mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 compatible/MC4-Evo2
Weight	33kg±3%
Dimension	2382*1134*30mm
Package Detail	37pcs per pallet /148pcs per 20'GP/ 740pcs 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	30A
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

