

STELLAR

1N+ Dual-Glass Module
635W-660W

Technical Features:

 Partial Shading Optimisation

 Better Temperature Coefficient

 High Temperature Restriction

 Micro-crack Resistance

 Higher Power

 Lower BOS

 More Aesthetic Values



red dot winner 2023



Product
Warranty



Performance
Warranty



Warranty partner

Munich RE



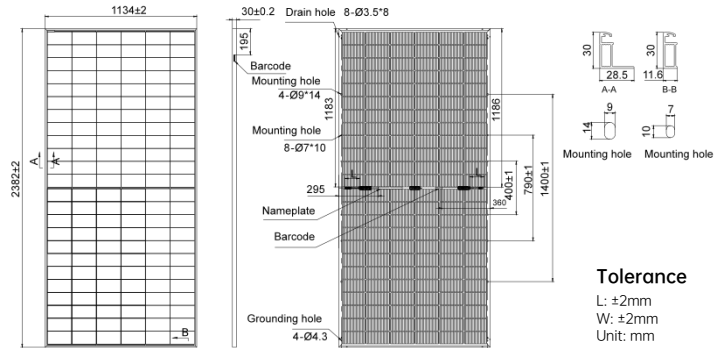
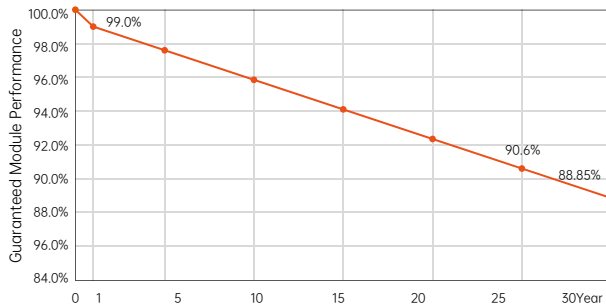
660W
Output

24.4%
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-G635-MCH72Dw			AIKO-G640-MCH72Dw			AIKO-G645-MCH72Dw			AIKO-G650-MCH72Dw			AIKO-G655-MCH72Dw			AIKO-G660-MCH72Dw		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P _{max} [W]	635	481	690	640	485	695	645	489	700	650	493	705	655	496	710	660	500	715
V _{oc} [V]	53.70	50.95	53.70	53.80	51.04	53.80	53.90	51.14	53.90	54.00	51.23	54.00	54.10	51.33	54.10	54.20	51.42	54.20
V _{mp} [V]	45.00	42.69	45.00	45.10	42.79	45.10	45.20	42.88	45.20	45.30	42.98	45.30	45.40	43.07	45.40	45.50	43.17	45.50
I _{sc} [A]	14.88	12.02	16.13	14.94	12.07	16.21	15.00	12.12	16.29	15.06	12.17	16.37	15.12	12.22	16.45	15.18	12.27	16.53
I _{mp} [A]	14.12	11.29	15.34	14.20	11.35	15.42	14.27	11.41	15.49	14.35	11.48	15.57	14.43	11.54	15.64	14.51	11.60	15.72
Module Efficiency	23.5%			23.7%			23.9%			24.1%			24.2%			24.4%		

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/Original MC4-EVO2A
Weight	32.3kg±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

