

# STELLAR

1N+66 Dual-Glass Module

660W-690W

## 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 

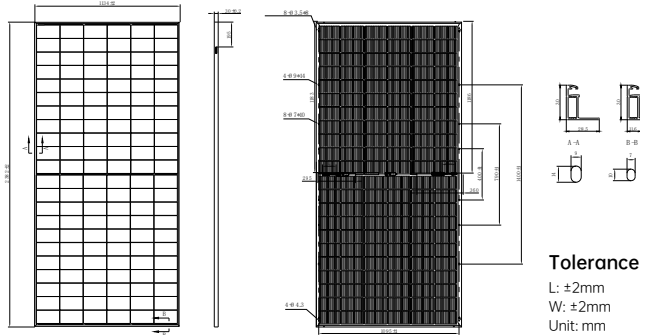
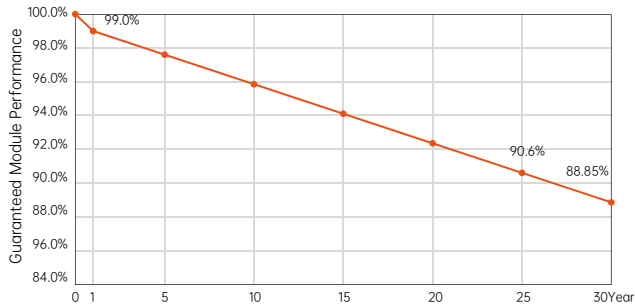
**690W**  
Output

**25.5%**  
Efficiency

**≤1%**  
First-year Degradation

**≤0.35%**  
Annual Degradation from Year 2-30

### 30-year Linear Performance Warranty



### Electrical Characteristics (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s) Power Tolerance: 0~ +3%

Module Type	AIKO-A660-GRH66Dw	AIKO-A665-GRH66Dw	AIKO-A670-GRH66Dw	AIKO-A675-GRH66Dw	AIKO-A680-GRH66Dw	AIKO-A685-GRH66Dw	AIKO-A690-GRH66Dw
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC
P <sub>max</sub> [W]	660	500	665	504	670	508	675
V <sub>oc</sub> [V]	49.50	46.96	49.60	47.06	49.70	47.15	49.80
V <sub>mp</sub> [V]	42.20	40.04	42.30	40.13	42.40	40.23	42.50
I <sub>sc</sub> [A]	16.76	13.54	16.83	13.60	16.90	13.66	16.97
I <sub>mp</sub> [A]	15.65	12.51	15.73	12.57	15.81	12.63	15.89
Module Efficiency	24.4%	24.6%	24.8%	25.0%	25.2%	25.4%	25.5%

### Product Specification

Bifacial Factor	75±5%
Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm coated semi-tempered glass
Frame	Anodized aluminum
Cable	4mm <sup>2</sup> (IEC) 12AWG(UL) +400mm, -200mm/±1400mm or Customized Length
No. of Cells	132(6*22)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/Original MC4
Weight	32.5kg±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 <sub>sc</sub>	+ 0.05%/ °C
Temperature Coefficient of V <sub>oc</sub>	- 0.22%/ °C
Temperature Coefficient of P <sub>max</sub>	- 0.26%/ °C

### Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	30A
Protection Class	Class II
V <sub>oc</sub> and I <sub>sc</sub> Tolerance	±3%
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

