

# STELLAR

1N+66 Dual-Glass Module

635W-665W

## 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 

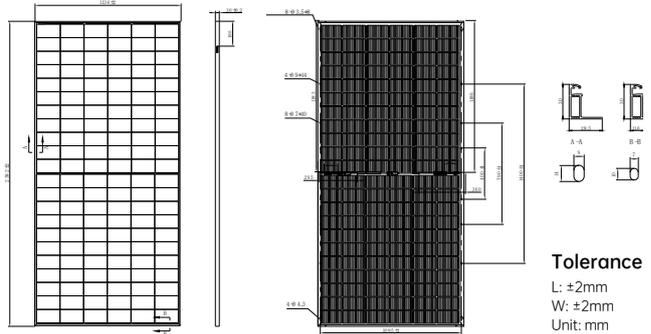
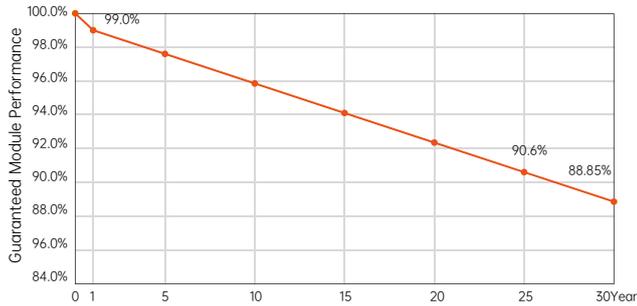
**665W**  
Output

**24.6%**  
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-A635-GRH66Dw		AIKO-A640-GRH66Dw		AIKO-A645-GRH66Dw		AIKO-A650-GRH66Dw		AIKO-A655-GRH66Dw		AIKO-A660-GRH66Dw		AIKO-A665-GRH66Dw	
	STC	NOCT												
<b>P<sub>max</sub>[W]</b>	635	481	640	485	645	489	650	493	655	496	660	500	665	504
<b>V<sub>oc</sub>[V]</b>	49.00	46.49	49.10	46.58	49.20	46.68	49.30	46.77	49.40	46.87	49.50	46.96	49.60	47.06
<b>V<sub>mp</sub>[V]</b>	41.70	39.56	41.80	39.66	41.90	39.75	42.00	39.85	42.10	39.94	42.20	40.04	42.30	40.13
<b>I<sub>sc</sub>[A]</b>	16.41	13.26	16.48	13.32	16.55	13.37	16.62	13.43	16.69	13.49	16.76	13.54	16.83	13.60
<b>I<sub>mp</sub>[A]</b>	15.23	12.18	15.32	12.24	15.40	12.31	15.48	12.38	15.56	12.44	15.65	12.51	15.73	12.57
<b>Module Efficiency</b>	<b>23.5%</b>		<b>23.7%</b>		<b>23.9%</b>		<b>24.1%</b>		<b>24.2%</b>		<b>24.4%</b>		<b>24.6%</b>	

### 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

