

STELLAR

Draft

G4-72Dw-2382
72 Dual-Glass Module 665W-690W

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

Warranty partner

Munich RE 



Product
Warranty



Performance
Warranty

IEC61215/IEC61730
IEC61701/IEC62716

ISO9001:ISO Quality Management System
ISO14001:ISO Environmental Management System
ISO14064:Greenhouse Gas Verification Statement
ISO45001:ISO Occupational Health and Safety Management System

690W

Output

25.5%

Efficiency

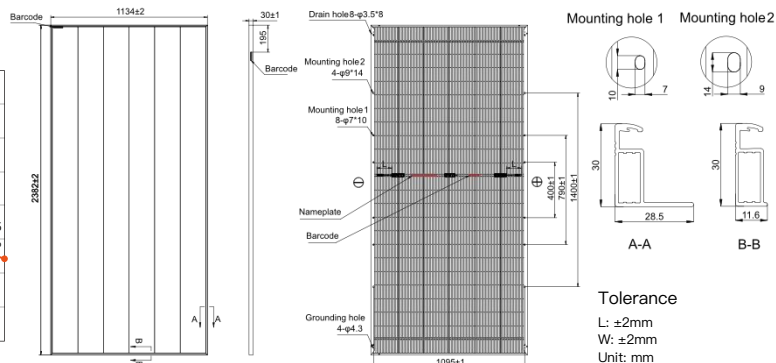
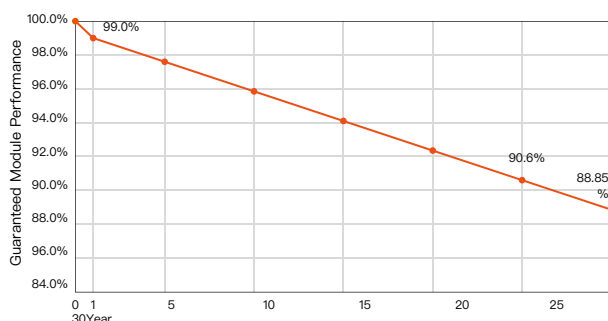
≤1%

First-year Degradation

≤0.35%

Annual Degradation from Year 2-30

30-year Linear Performance Warranty

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s)

Power Tolerance: 0~+3%

Module Type	AIKO-A665-MDE72Dw			AIKO-A670-MDE72Dw			AIKO-A675-MDE72Dw			AIKO-A680-MDE72Dw			AIKO-A685-MDE72Dw			AIKO-A690-MDE72Dw		
Test Conditions	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
P _{max} [W]	665	504	700	670	508	705	675	512	710	680	515	715	685	519	720	690	523	725
V _{oc} [V]	54.16	51.38	54.16	54.26	51.48	54.26	54.36	51.57	54.36	54.46	51.67	54.46	54.56	51.76	54.56	54.66	51.86	54.66
V _{mp} [V]	45.22	42.9	45.22	45.32	43	45.32	45.42	43.09	45.42	45.52	43.19	45.52	45.62	43.28	45.62	45.72	43.38	45.72
I _{sc} [A]	15.45	12.48	16.29	15.51	12.53	16.35	15.57	12.58	16.42	15.63	12.63	16.49	15.69	12.68	16.56	15.75	12.73	16.63
I _{mp} [A]	14.71	11.76	15.48	14.79	11.82	15.56	14.87	11.88	15.64	14.94	11.48	15.71	15.02	12.01	15.79	15.1	12.07	15.86
Module Efficiency	24.6%			24.8%			25.0%			25.2%			25.4%			25.5%		

Product Specification

Cell Type	N-Type ABC
Front Cover	2.0mm coated semi tempered glass
Rear Cover	2.0mm 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	32.2kg±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

