

COMET

3N72 Mono-glass Module
655W-680W

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 

680W

Output

25.2%

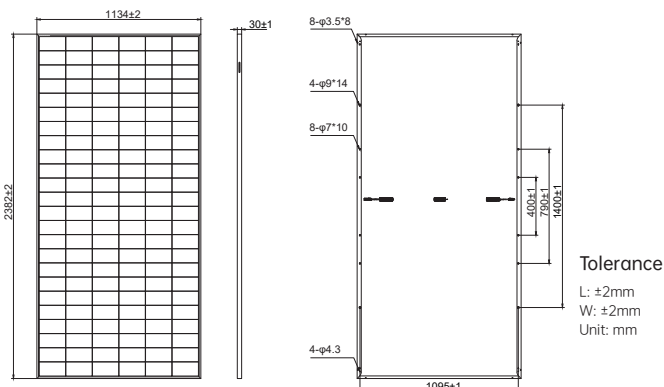
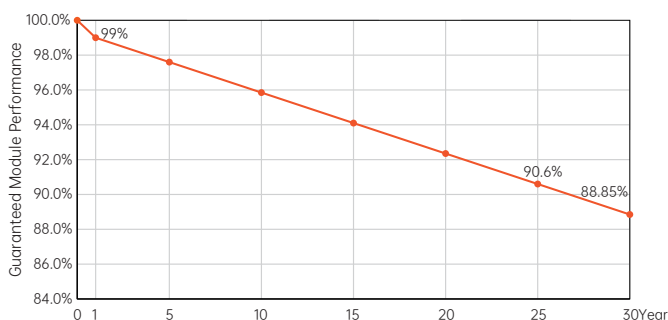
Efficiency

≤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-A655-MDE72Mw		AIKO-A660-MDE72Mw		AIKO-A665-MDE72Mw		AIKO-A670-MDE72Mw		AIKO-A675-MDE72Mw		AIKO-A680-MDE72Mw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	655	493	660	497	665	501	670	505	675	508	680	512
V _{oc} [V]	54.50	51.47	54.60	51.56	54.70	51.66	54.80	51.75	54.90	51.85	55.00	51.94
V _{mp} [V]	45.20	42.69	45.30	42.78	45.40	42.87	45.50	42.97	45.60	43.06	45.70	43.16
I _{sc} [A]	15.18	12.28	15.24	12.32	15.30	12.37	15.36	12.42	15.42	12.47	15.48	12.52
I _{mp} [A]	14.5	11.57	14.57	11.63	14.65	11.69	14.73	11.76	14.81	11.82	14.88	11.88
Module Efficiency	24.2%		24.4%		24.6%		24.8%		25.0%		25.2%	

Product Specification

Cell type	N-Type ABC
Glass	3.2 mm tempered glass
Backsheet	High weather resistant backsheet
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	29kg±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

