

COMET

3N72e Mono-glass Module
625W-650W

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 

650W

Output

25.2%

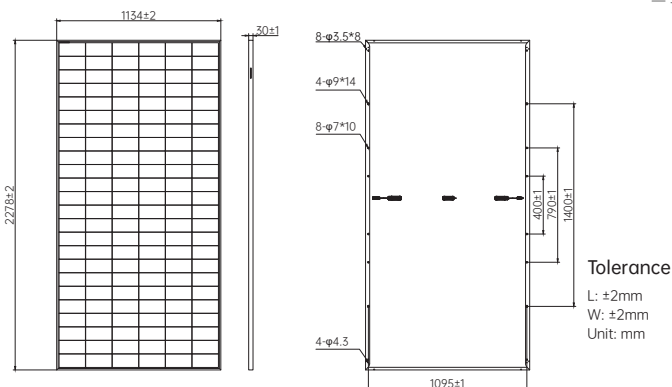
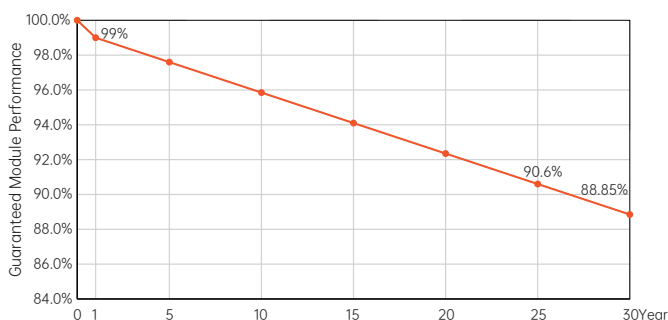
Efficiency

≤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-A625-MAE72Mw		AIKO-A630-MAE72Mw		AIKO-A635-MAE72Mw		AIKO-A640-MAE72Mw		AIKO-A645-MAE72Mw		AIKO-A650-MAE72Mw	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P_{max} [W]	625	471	630	474	635	478	640	482	645	486	650	490
V_{oc} [V]	54.49	51.46	54.59	51.55	54.69	51.65	54.79	51.74	54.89	51.84	54.99	51.93
V_{mp} [V]	45.18	42.67	45.28	42.76	45.38	42.86	45.48	42.95	45.58	43.04	45.68	43.14
I_{sc} [A]	14.60	11.81	14.68	11.87	14.76	11.94	14.84	12.00	14.92	12.06	15.00	12.13
I_{mp} [A]	13.84	11.04	13.92	11.11	14	11.17	14.08	11.23	14.16	11.3	14.23	11.36
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	27kg±3%
Dimension	2278*1134*30mm
Package Detail	37pcs per pallet / 185pcs 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	25A
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

