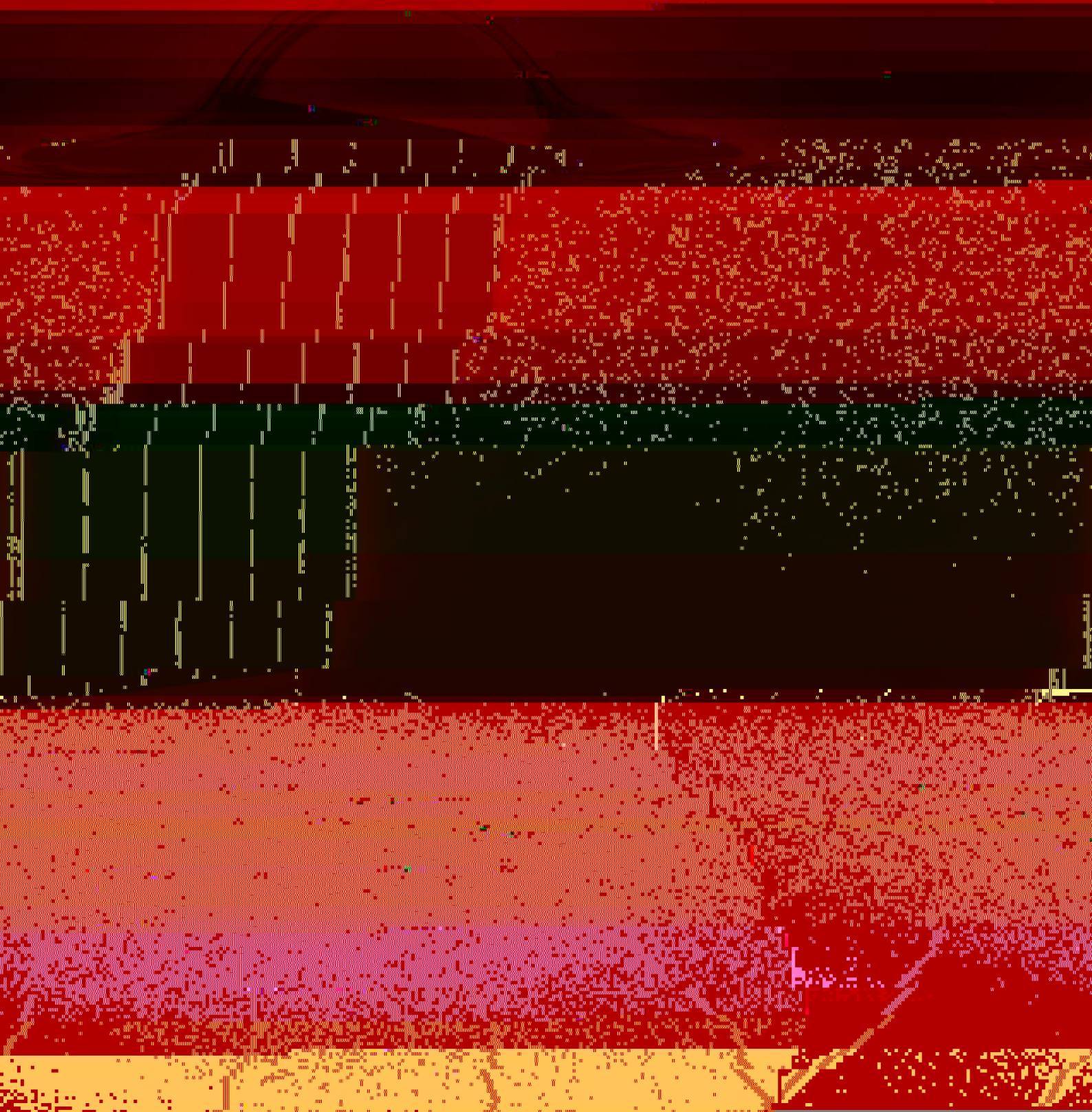


NE



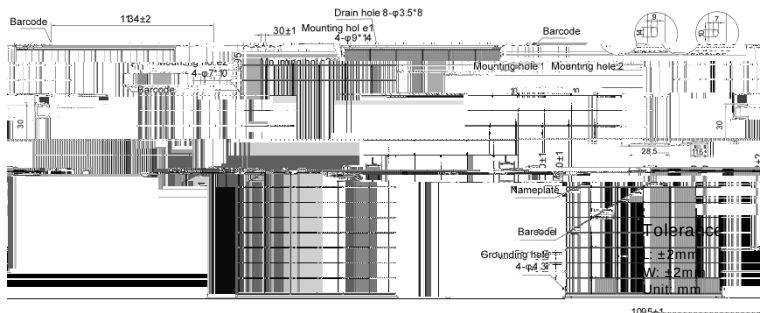
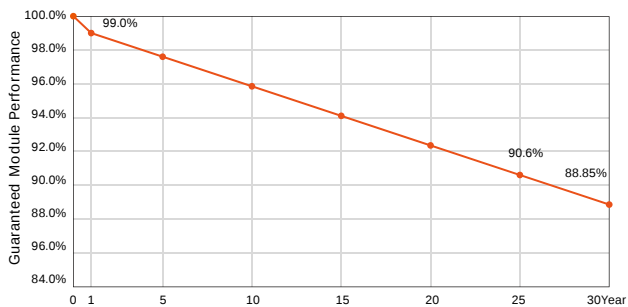
Output

Efficiency

First-year Degradation

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

Test Conditions

P_{max} [W]	465	357	500	470	361	505	475	365	510	480	369	515	485	373	520	490	377	525	495	381	530
V_{oc} [V]	34.80	32.71	34.80	35.00	32.90	35.00	35.19	33.08	35.19	35.33	33.21	35.33	35.57	33.44	35.57	35.72	33.58	35.72	35.86	33.71	35.86
V_{mp} [V]	30.55	28.68	30.50	30.74	28.86	30.66	30.90	29.02	30.81	31.05	29.15	30.93	31.19	29.27	31.06	31.35	29.44	31.19	31.51	29.58	31.34
I_{sc} [A]	16.33	13.12	17.65	16.43	13.20	17.76	16.52	13.27	17.86	16.63	13.36	17.98	16.71	13.42	18.07	16.79	13.49	18.16	16.90	13.58	18.28
I_{mp} [A]	15.22	12.45	16.39	15.29	12.51	16.47	15.37	12.58	16.55	15.46	12.66	16.65	15.55	12.74	16.74	15.63	12.81	16.83	15.71	12.88	16.91
Module Efficiency	23.3%		23.5%		23.8%		24.0%		24.0%		24.3%		24.3%		24.5%		24.5%		24.8%		

Bifacial Factor 80±5%

Cell Type N-Type ABC

Front Cover 2.0mm coated semi tempered glass

Rear Cover 2.0mm semi tempered glass

Frame Black anodized aluminum

Cable 4mm²(IEC) 12AWG(UL) ±1200mm

No. of Cells 96(6*16)

Junction Box IP68, 3 bypass diodes

Connector Original MC4-EVO2A

Weight 24.1kg±3%

Dimension 1762*1134*30mm

Package Detail 37pcs per pallet / 222pcs per 20'GP / 962pcs per 40'HC

Temperature Coefficient of I_{sc} + 0.05%/ °CTemperature Coefficient of V_{oc} - 0.22%/ °CTemperature Coefficient of P_{max} - 0.26%/ °C

NOCT(Nominal Operating Cell Temperature) 45 ±2

Operation Temperature -40 - +70

Maximum Series Fuse Rating 30A

Protection Class Class

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

*AIKO reserves right to update the specification without notice
*Optional Ariel Green coverage is available upon request
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