




Comet 2N+ Dual-Glass Module

600W-625W


Second Generation
Comprehensive Upgrade:

 **Partial Shading Optimisation**


 **Better Temperature Coefficient**

 **High Temperature Restriction**

 **Micro-crack Resistance**

 **Higher Power**

 **Lower BOS**

 **PFAS-free**



Product
Warranty



Performance
Warranty



reddot winner 2023



Munich RE

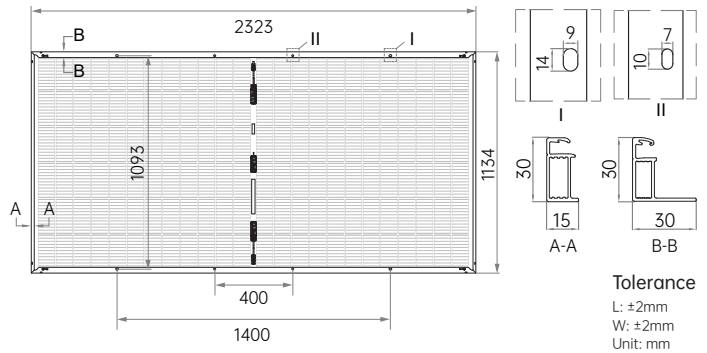
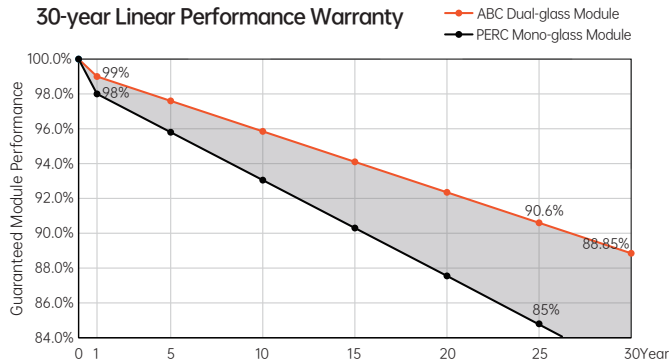


625W
Output

23.7%
Efficiency

≤1%
First-year Degradation

≤0.35%
Annual Degradation from Year 2-30



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-A600-MAH72Dw | | AIKO-A605-MAH72Dw | | AIKO-A610-MAH72Dw | | AIKO-A615-MAH72Dw | | AIKO-A620-MAH72Dw | | AIKO-625-MAH72Dw | |
|--------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| P _{max} [W] | 600 | 452 | 605 | 456 | 610 | 459 | 615 | 463 | 620 | 467 | 625 | 471 |
| V _{oc} [V] | 54.14 | 51.13 | 54.24 | 51.22 | 54.34 | 51.32 | 54.44 | 51.41 | 54.57 | 51.53 | 54.70 | 51.66 |
| V _{mp} [V] | 44.80 | 42.31 | 44.90 | 42.40 | 45.00 | 42.50 | 45.10 | 42.59 | 45.20 | 42.69 | 45.30 | 42.78 |
| I _{sc} [A] | 14.14 | 11.44 | 14.22 | 11.50 | 14.30 | 11.57 | 14.38 | 11.63 | 14.46 | 11.70 | 14.54 | 11.76 |
| I _{mp} [A] | 13.40 | 10.69 | 13.48 | 10.76 | 13.56 | 10.82 | 13.64 | 10.89 | 13.72 | 10.95 | 13.80 | 11.01 |
| Module Efficiency | 22.8% | | 23.0% | | 23.2% | | 23.3% | | 23.5% | | 23.7% | |

Mechanical Specification

| | |
|----------------|---|
| Cell Type | N-Type ABC |
| Glass | Dual glass, 2.0 + 2.0mm coated semi tempered glass |
| Frame | Anodized aluminum |
| Cable | 4mm ² (IEC) 12AWG(UL) 1400mm or Customized Length |
| No. of Cells | 144(6*24) |
| Junction Box | IP68,3 bypass diodes |
| Connector | MC4 Compatible |
| Weight | 31.8kg |
| Dimension | 2323*1134*30mm |
| Package Detail | 36pcs per pallet / 180pcs 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 - +85°C |
| Maximum Series Fuse Rating | 25A |
| Protection Class | Class II |
| V _{oc} and I _{sc} 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 C |

