

NEOSTAR

3P+60w Dual-Glass Module

530W-550W

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



Product Warranty
Extendable to 25years*



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

550W

Output

24.8%

Efficiency

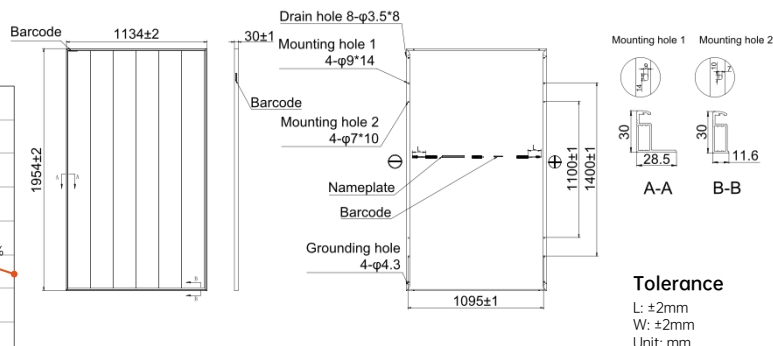
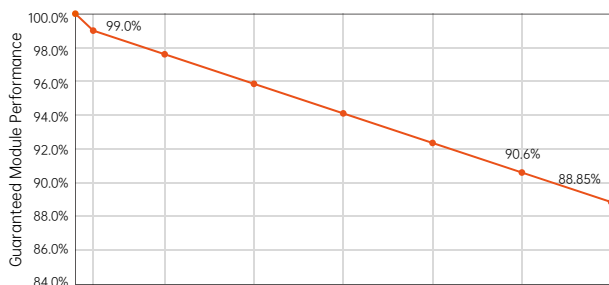
≤1%

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-A530-MCE60Dw | | AIKO-A535-MCE60Dw | | AIKO-A540-MCE60Dw | | AIKO-A545-MCE60Dw | | AIKO-A550-MCE60Dw | |
|--------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| P _{max} [W] | 530 | 402 | 535 | 405 | 540 | 409 | 545 | 413 | 550 | 417 |
| V _{oc} [V] | 45.40 | 43.07 | 45.50 | 43.17 | 45.60 | 43.26 | 45.70 | 43.36 | 45.80 | 43.45 |
| V _{mp} [V] | 38.20 | 36.24 | 38.30 | 36.34 | 38.40 | 36.45 | 38.50 | 36.53 | 38.60 | 36.62 |
| I _{sc} [A] | 14.76 | 11.93 | 14.80 | 11.96 | 14.84 | 11.99 | 14.88 | 12.02 | 14.92 | 12.06 |
| I _{mp} [A] | 13.88 | 11.10 | 13.97 | 11.17 | 14.07 | 11.25 | 14.16 | 11.32 | 14.25 | 11.40 |
| Module Efficiency | 23.9% | | 24.1% | | 24.4% | | 24.6% | | 24.8% | |

Product Specification

| | |
|----------------|--|
| 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 | 4mm ² (IEC) 12AWG(UL) ±1200mm |
| No. of Cells | 120(6*20) |
| Junction Box | IP68, 3 bypass diodes |
| Connector | Original MC4-EVO2A |
| Weight | 27.1kg±3% |
| Dimension | 1954*1134*30mm |
| Package Detail | 37pcs per pallet / 185pcs per 20'GP / 888pcs 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 | 25A |
| 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 |

