



# KOOKABURRA SERIES THE GUARDIAN OF NATURE



## AKCOME MODULE KOOKABURRA SERIES



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## MONO PERC 1/3-CUT MODULE

**25**  
years

Product warranty on  
materials and workmanship

**25**  
years

Linear power  
output warranty



High Efficiency



Excellent Low-Irradiance Performance



Anti-PID Design



Harsh Environment Adaptability



Robust Mechanical Durability

# KOOKABURRA SERIES

## SKA508MHVC-415W

MONO 9BB 1/3-CUT MODULE

### ELECTRICAL PARAMETERS @ STC

|                               |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|
| Max. Power Output Pmax (W)    | 400   | 405   | 410   | 415   |
| Max. Power Voltage Vmp (V)    | 34.20 | 34.40 | 34.60 | 34.80 |
| Max. Power Current Imp (A)    | 11.70 | 11.77 | 11.85 | 11.93 |
| Open Circuit Voltage Voc (V)  | 41.20 | 41.40 | 41.60 | 41.80 |
| Short Circuit Current Isc (A) | 12.28 | 12.34 | 12.41 | 12.48 |
| Module Efficiency (%)         | 20.81 | 21.06 | 21.33 | 21.60 |

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

\*Measurement Tolerance (±3.0%)

### ELECTRICAL PARAMETERS @ NOCT

|                               |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|
| Max. Power Output Pmax (W)    | 298   | 302   | 306   | 310   |
| Max. Power Voltage Vmp (V)    | 31.81 | 31.98 | 32.31 | 32.52 |
| Max. Power Current Imp (A)    | 9.37  | 9.43  | 9.47  | 9.53  |
| Open Circuit Voltage Voc (V)  | 38.39 | 38.58 | 38.89 | 39.07 |
| Short Circuit Current Isc (A) | 9.92  | 9.97  | 10.01 | 10.06 |

\*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### TEMPERATURE COEFFICIENTS

|                                 |            |
|---------------------------------|------------|
| Temperature Coefficients of Pmp | -0.34%/°C  |
| Temperature Coefficients of Voc | -0.25%/°C  |
| Temperature Coefficients of Isc | +0.040%/°C |

### MECHANICAL PARAMETERS

|                      |                               |
|----------------------|-------------------------------|
| Cell Type            | Mono 210x70mm                 |
| Number of Cells      | 120pcs(5x24)                  |
| Dimensions ( L*W*H ) | 1754x1096x30mm                |
| Weight               | 21.2kg                        |
| Frame                | Anodised Aluminum             |
| Junction Box         | IP68, 3 bypass diodes         |
| Cable, Length        | 4.0mm <sup>2</sup> , 300mm    |
| Conenctors           | Stäubli:PV-KS(B)T4-EVO2/XY_UR |

### OPERATING CONDITION

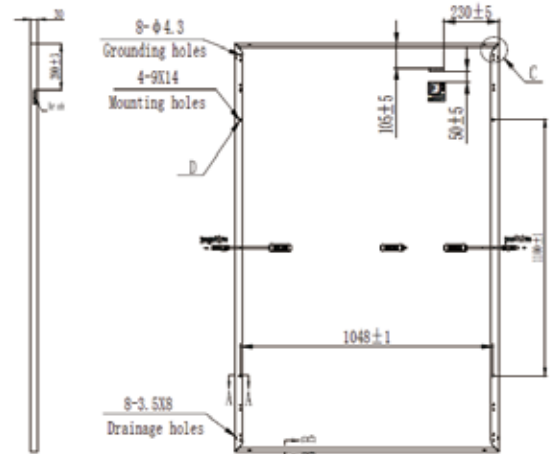
|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Maximum System Voltage(V)      | 1500(DC)                                        |
| Operating Temperature(°C)      | -40~+85                                         |
| Max. Wind Load / Snow Load(pa) | 1600/3600 ( Mechanical Load Safety Factor 1.5 ) |
| Max. Over Current(A)           | 20                                              |
| Power Tolerance                | 0~+3%                                           |
| Application Class              | Class A                                         |
| Fire Rating                    | Class C                                         |
| NOCT(°C)                       | 45±2                                            |

### PACKAGE INFORMATION

|                   |        |
|-------------------|--------|
| Container 40'HQ   | 936pcs |
| Quantity / Pallet | 36pcs  |

\* Certification requirements vary in different markets, please consult with Akcome Optronics sales team for appropriate certification.

### ASSEMBLY DRAWING (Unit: mm)



### I-V CURVES

