

# STELLAR



red dot winner 2023



Warranty partner

Munich RE



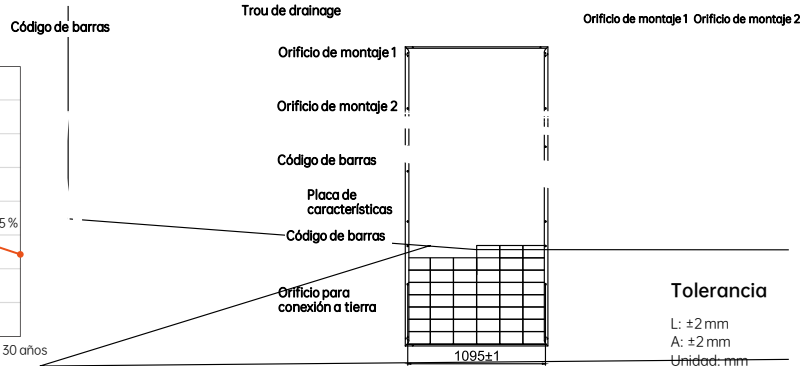
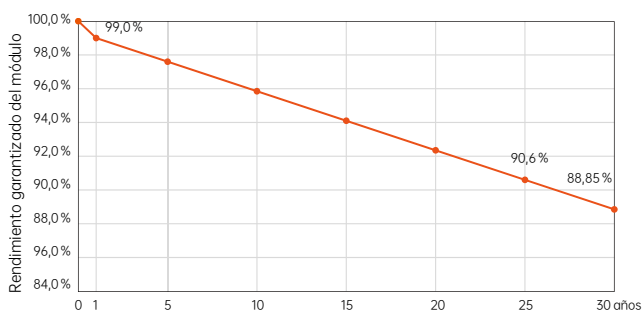
**685 W**  
salida

**25,4 %**  
eficiencia

**≤1 %**  
degradación en el primer año

**≤0,35 %**  
degradación anual del año 2 al 30

### 30 años de garantía de rendimiento lineal



### Especificaciones eléctricas (STC: AM1,5 1000 W/m² 25 °C NOCT: AM1,5 800 W/m² 20 °C 1 m/s)

Tolerancia de potencia: 0 ~ +3 %

| Tipo de módulo        | AIKO-A650-MDE72Dw |       |       | AIKO-A655-MDE72Dw |       |       | AIKO-A660-MDE72Dw |       |       | AIKO-A665-MDE72Dw |       |       | AIKO-A670-MDE72Dw |       |       | AIKO-A675-MDE72Dw |       |       | AIKO-A680-MDE72Dw |       |       | AIKO-A685-MDE72Dw |       |       |
|-----------------------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|-------------------|-------|-------|
| Condiciones de prueba | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  | STC               | NOCT  | BNPI  |
| P <sub>máx</sub> [W]  | 650               | 520   | 685   | 655               | 524   | 690   | 660               | 527   | 695   | 665               | 531   | 700   | 670               | 535   | 705   | 675               | 538   | 710   | 680               | 542   | 715   | 685               | 546   | 720   |
| V <sub>ca</sub> [V]   | 54.90             | 51.23 | 54.90 | 55.00             | 51.33 | 55.00 | 55.10             | 51.43 | 55.10 | 55.20             | 51.53 | 55.20 | 55.30             | 51.63 | 55.30 | 55.40             | 51.73 | 55.40 | 55.50             | 51.83 | 55.50 | 55.60             | 51.93 | 55.60 |
| V <sub>mp</sub> [V]   | 44.79             | 42.98 | 44.79 | 44.89             | 43.07 | 44.89 | 44.99             | 43.16 | 44.99 | 45.09             | 43.25 | 45.09 | 45.19             | 43.34 | 45.19 | 45.29             | 43.43 | 45.29 | 45.39             | 43.52 | 45.39 | 45.49             | 43.61 | 45.49 |
| I <sub>cc</sub> [A]   | 15.27             | 13.08 | 16.08 | 15.33             | 13.14 | 16.14 | 15.39             | 13.20 | 16.20 | 15.45             | 13.26 | 16.26 | 15.52             | 13.32 | 16.33 | 15.59             | 13.38 | 16.39 | 15.66             | 13.44 | 16.46 | 15.73             | 13.50 | 16.52 |
| I <sub>mp</sub> [A]   | 14.52             | 12.10 | 15.29 | 14.60             | 12.16 | 15.37 | 14.68             | 12.22 | 15.45 | 14.75             | 12.28 | 15.52 | 14.83             | 12.34 | 15.60 | 14.91             | 12.40 | 15.68 | 14.99             | 12.46 | 15.75 | 15.07             | 12.52 | 15.83 |
| Eficiencia del módulo | 24.1%             |       |       | 24.2%             |       |       | 24.4%             |       |       | 24.6%             |       |       | 24.8%             |       |       | 25.1%             |       |       | 25.2%             |       |       | 25.4%             |       |       |

### Especificación del producto

|                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Tipo de célula        | ABC Tipo N                                                                                      |
| Vidrio                | Doble vidrio, vidrio semitemplado recubierto de 2,0 + 2,0 mm                                    |
| Marco                 | Aluminio anodizado                                                                              |
| Cable                 | 4 mm² (IEC) 12 AWG (UL)<br>+400 mm, -200 mm/±1400 mm o longitud personalizada                   |
| N.º de células        | 144 (6*24)                                                                                      |
| Caja de conexiones    | IP68, 3 diodos de bypass                                                                        |
| Conector              | Compatible con MC4/MC4-EVO2A                                                                    |
| Peso                  | 32,2 kg±3 %                                                                                     |
| Dimensiones           | 2382*1134*30 mm                                                                                 |
| Detalles del embalaje | 36 uds. por palé/144 uds. por contenedor estándar (GP) de 20'/720 uds. por contenedor HC de 40' |

### Valores nominales de temperatura (STC)

|                                                 |            |
|-------------------------------------------------|------------|
| Coefficiente de temperatura de I <sub>sc</sub>  | +0,05 %/°C |
| Coefficiente de temperatura de V <sub>ca</sub>  | -0,22 %/°C |
| Coefficiente de temperatura de P <sub>máx</sub> | -0,26 %/°C |

### Condiciones de trabajo

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| Temperatura de trabajo                   | -40 °C - +70 °C                      |
| Valor nominal máximo de fusible en serie | 30 A                                 |
| Clase de protección                      | Clase II                             |
| Voltaje máximo del sistema               | 1500 V CC                            |
| Carga estática máxima                    | Frontal 5400 Pa    Posterior 2400 Pa |
| Clasificación de resistencia al fuego    | Clase A IEC                          |

