

# NEOSTAR

3S+54 Glas-Glas Module

460W-490W

## Technische Kenmerken:

- |                                                                                                                  |                                                                                                                 |                                                                                                                |                                                                                                             |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  Partial Shading Optimalisatie |  Lage Temperatuurcoëfficiënt |  Oververhittingsbescherming |  Micro-crack Bestendig |
|  Hoger Vermogen                |  Lagere BOS                  |  Meer Esthetische Waarde    |  Infinite Technologie  |



red dot winner 2023



Product  
Garantie



Opbrengst  
Garantie



Warranty partner

Munich RE



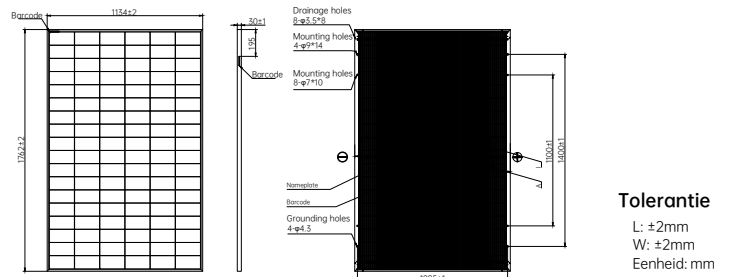
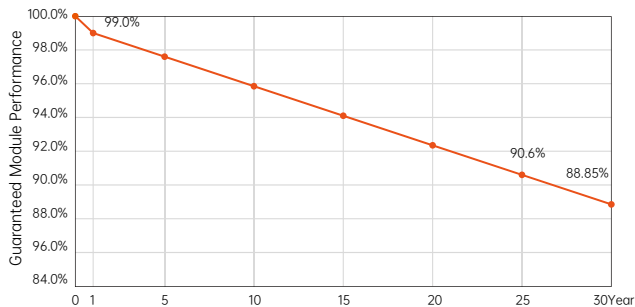
**490W<sub>p</sub>**  
Output

**24.5%**  
Efficiency

**≤1%**  
Degradatie Jaar 1

**≤0.35%**  
Degradatie Jaar 2-30

### 30 Jaar Lineaire Prestatie Garantie



### Elektrische Eigenschappen (STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s)

Vermogenstolerantie: 0~ + 3%

| Module Type          | AIKO-A460-MCE54Db |       | AIKO-A465-MCE54Db |       | AIKO-A470-MCE54Db |       | AIKO-A475-MCE54Db |       | AIKO-A480-MCE54Db |       | AIKO-A485-MCE54Db |       | AIKO-A490-MCE54Db |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| Test Condities       | STC               | NOCT  | STC               | NOCT  | STC               | NOCT  | STC               | NOCT  | STC               | NOCT  | STC               | NOCT  | STC               | NOCT  |
| P <sub>max</sub> [W] | 460               | 349   | 465               | 352   | 470               | 356   | 475               | 360   | 480               | 364   | 485               | 367   | 490               | 371   |
| V <sub>oc</sub> [V]  | 40.50             | 38.42 | 40.60             | 38.52 | 40.70             | 38.61 | 40.80             | 38.71 | 40.90             | 38.80 | 41.00             | 38.90 | 41.10             | 38.99 |
| V <sub>mp</sub> [V]  | 34.10             | 32.35 | 34.20             | 32.45 | 34.30             | 32.54 | 34.40             | 32.64 | 34.50             | 32.73 | 34.60             | 32.83 | 34.70             | 32.92 |
| I <sub>sc</sub> [A]  | 14.66             | 11.85 | 14.69             | 11.87 | 14.72             | 11.89 | 14.76             | 11.93 | 14.80             | 11.96 | 14.84             | 11.99 | 14.88             | 12.02 |
| I <sub>mp</sub> [A]  | 13.50             | 10.89 | 13.60             | 10.87 | 13.71             | 10.96 | 13.81             | 11.04 | 13.92             | 11.13 | 14.02             | 11.21 | 14.13             | 11.29 |
| Module Efficiency    | 23.0%             |       | 23.3%             |       | 23.5%             |       | 23.8%             |       | 24.0%             |       | 24.3%             |       | 24.5%             |       |

### Product Specificatie

|               |                                                        |
|---------------|--------------------------------------------------------|
| Cel Type      | N-Type ABC                                             |
| Glas          | Dubbel glas, 2.0 + 2.0mm coated semi gehard glas       |
| Frame         | Zwart geanodeerd aluminium                             |
| Kabel         | 4mm <sup>2</sup> (IEC) 12AWG(UL) ±1200mm               |
| Aantal Cellen | 108(6*18)                                              |
| Junction Box  | IP68, 3 bypass diodes                                  |
| Connector     | Origineel MC4                                          |
| Gewicht       | 24.2kg±3%                                              |
| Afmetingen    | 1762*1134*30mm                                         |
| Verpakking    | 37st. per pallet / 222st. per 20'GP / 962st. per 40'HC |

### Temperatuurbereik (STC)

|                                         |             |
|-----------------------------------------|-------------|
| Temperatuurcoefficient I <sub>sc</sub>  | + 0.05%/ °C |
| Temperatuurcoefficient V <sub>oc</sub>  | - 0.22%/ °C |
| Temperatuurcoefficient P <sub>max</sub> | - 0.26%/ °C |

### Installatievoorschrift

|                               |                                 |
|-------------------------------|---------------------------------|
| Bedrijfstemperatuur           | -40°C - +85°C                   |
| Maximum Serie Zekeringsbereik | 30A                             |
| Beschermingsklasse            | Class II                        |
| Maximum Systeemspanning       | DC1500V                         |
| Maximum Statische Belasting   | Voorz. 5400Pa Achterz. 2400Pa   |
| Hageltest                     | 25 mm diameter hagel bij 23 m/s |
| Brandklasse                   | IEC Class A                     |

