



**GREEN LED  
& LUCES®**

PANEL SOLAR TOPCon

# PANEL SOLAR MONOCRISTALINO MONOFACIAL 605W

ODA-144MH



#### Tecnología SMBB

Mejor captura de luz y recolección de corriente para mejorar la potencia del módulo y su fiabilidad

• Disponible con marco de color negro



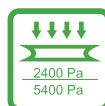
#### Resistencia PID

Excelente rendimiento Anti-PID garantizado a través de procesos de producción optimizados y control de materiales



#### Mayor potencia de salida

La potencia del módulo aumenta entre 5-25 %, generando un LCOE más bajo y mayor TIR



#### Carga mecánica mejorada

Certificación contra carga de viento (2400 Pa) y carga de nieve (5400 Pa).



#### Caja de conexiones

Protección IP68 resistente al agua

Corriente máxima: 20 A.

Voltaje máximo del sistema: 1500 V DC



#### Marco

Alta resistencia mecánica.

Certificado para cargas de hasta 5400 Pa.

Aleación de aluminio anodizado

IEC61215:2021/IEC61730:2023

IEC61701/IEC62716/IEC60068/IEC62804

ISO9001:2015 / Certificación de gestión de calidad

ISO14001:2015 / Certificación de gestión ambiental

ISO45001:2018 / Certificación salud y seguridad ocupacional

ISO14067:2018/PAS2050:2011

ODA-144MH

# Especificaciones técnicas

| MODELO | ODA-144MH |
|--------|-----------|
| SKU    | 100400585 |

## SPECIFICATION (STC) Irradiance at 1000 W/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

| MODEL TYPE                   | ODA585-36V-MH | ODA590-36V-MH | ODA595-36V-MH | ODA600-36V-MH | ODA605-36V-MH |
|------------------------------|---------------|---------------|---------------|---------------|---------------|
| Rated Peak Power-Pmax(Wp)    | 585.00        | 590.00        | 595.00        | 600.00        | 605.00        |
| Maximum Power Voltage-Vmp(V) | 44.81         | 44.87         | 44.93         | 44.99         | 45.05         |
| Maximum Power Current-Imp(A) | 13.05         | 13.15         | 13.24         | 13.34         | 13.43         |
| Open Circuit Voltage-Voc(V)  | 52.72±3%      | 52.79±3%      | 52.86±3%      | 52.93±3%      | 53.00±3%      |
| Short Circuit Current-Isc(A) | 13.87±3%      | 13.97±3%      | 14.07±3%      | 14.17±3%      | 14.27±3%      |
| Module Efficiency(%)         | 22.65         | 22.84         | 23.03         | 23.23         | 23.42         |

## ELECTRICAL DATA(BNPI) Irradiance at 1000 W/m<sup>2</sup>, Back irradiance 135 W/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

|                              |          |          |          |          |          |
|------------------------------|----------|----------|----------|----------|----------|
| Rated Peak Power-Pmax(Wp)    | 648.00   | 654.00   | 659.00   | 665.00   | 671.00   |
| Maximum Power Voltage-Vmp(V) | 44.95    | 45.01    | 45.07    | 45.13    | 45.19    |
| Maximum Power Current-Imp(A) | 14.42    | 14.53    | 14.63    | 14.74    | 14.84    |
| Open Circuit Voltage-Voc(V)  | 52.88±3% | 52.95±3% | 53.02±3% | 53.09±3% | 53.16±3% |
| Short Circuit Current-Isc(A) | 15.33±3% | 15.44±3% | 15.55±3% | 15.66±3% | 15.77±3% |

## MECHANICAL CHARACTERISTICS

|                            |                                                                               |
|----------------------------|-------------------------------------------------------------------------------|
| Cell Type (mm)             | 182 91 N-Type Mono                                                            |
| No. Of Cells               | 144(12 12)                                                                    |
| Module Dimensions(mm)      | 2278 1134 30                                                                  |
| Weight                     | 27.40 kg                                                                      |
| Monofacial Front Glass(mm) | 3.2 mm High Transmission                                                      |
| Frame                      | Anodized Aluminium Alloy(Silver)                                              |
| Junction Box               | IP68, 1500VDC, 3 Schottky Bypass Diodes                                       |
| Cables                     | 4.0mm <sup>2</sup> , Positive(+)300mm, Negative(-)300mm, Or Customized Length |
| Connector                  | IP68                                                                          |
| Snow Load/Wind Load        | 5400Pa/2400Pa                                                                 |
| Class Of Safety Protection | Class II                                                                      |
| IEC Component Fire Rating  | Class A                                                                       |

## OPERATING PARAMETERS

|                                      |            |
|--------------------------------------|------------|
| Maximum System Voltage               | 1500V      |
| Operational Temp                     | -40~+85 °C |
| Max Series Fuse Rating               | 25A        |
| Nominal Module Operating Temp (NMOT) | 45±2°C     |

## TEMP COEFFICIENT

|                          |            |
|--------------------------|------------|
| Temp Coefficient Of Pmax | -0.290%/°C |
| Temp Coefficient Of Voc  | -0.250%/°C |
| Temp Coefficient Of Isc  | +0.045%/°C |

## PACKING STANDARD 40ft (HQ)

|                                 |     |
|---------------------------------|-----|
| Number Of Modules Per Pallet    | 37  |
| Number Of Pallets Per Container | 20  |
| Number Of Modules Per Container | 740 |

## ASSEMBLY DRAWING

