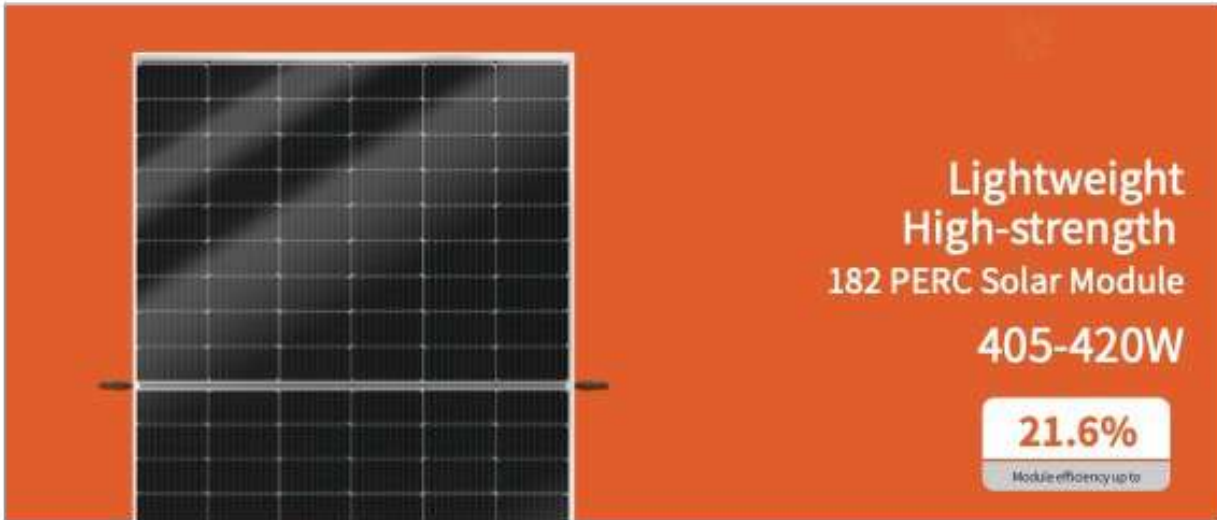


# *Catálogo General*





### Features



#### Lightweight Design

4.7kg/m<sup>2</sup> weight, match various requirements for low load roof



#### High Strength

The surface is made of ultra-thin tempered glass, which has the characteristics of good hail impact resistance and strong load capacity.



#### High Efficiency

High light transmittance performance with more than 3% higher power than similar products bring more power generation and higher income



#### Stable and Reliable Characteristics

Meet IEC61215 stringent environment test with low attenuation characteristics.



#### Convenient Installation

Multiple installation methods, gasted fixed or dismountable lock block fixed.



#### Safe and Reliable

Prevent dust stratification, lightweight and safe, convenient operation and maintenance.

### Reinsurance Coverage for 25 Years



Insured by LLOYD'S

## LLOYD'S



① Within the first year from the date of installation and normal operation, the output power shall not be less than 98% of the product's minimum output power as set forth in the specifications. Afterwards, maximum 0.55% output decrease per year. After 25 years, the product's output power shall not be less than 84.8% of its minimum output power as set forth in the specifications.

### Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System

- ★ ISO 45001: 2018 Occupation Health Safety Management System



## Electrical Characteristics at Standard Test Conditions(STC)

| Spec/Model                                   | Unit | SSD405AH5T | SSD410AH5T | SSD415AH5T | SSD420AH5T |
|--|------|------------|------------|------------|------------|
| Max-Power(P <sub>m</sub> )                   | W    | 405        | 410        | 415        | 420        |
| Power Tolerance                              | W    | 0~+5       |            |            |            |
| Max-Power Voltage(V <sub>m</sub> )           | V    | 31.12      | 31.28      | 31.45      | 31.66      |
| Max-Power Current(I <sub>m</sub> )           | A    | 13.04      | 13.13      | 13.22      | 13.29      |
| Open-Circuit Voltage(V <sub>oc</sub> )       | V    | 37.06      | 37.20      | 37.40      | 37.60      |
| Short-Circuit Current(I <sub>sc</sub> )      | A    | 14.04      | 14.10      | 14.16      | 14.22      |
| Effective Module Efficiency(η <sub>m</sub> ) | %    | 20.9       | 21.2       | 21.4       | 21.6       |

STC: AM=1.5; Irradiation 1000W/m<sup>2</sup>; Module Temperature 25°C; Power Tolerance ±3%

## Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

| Spec/Model                              | Unit | SSD405AH5T | SSD410AH5T | SSD415AH5T | SSD420AH5T |
|---|------|------------|------------|------------|------------|
| Max-Power(P <sub>m</sub> )              | W    | 396        | 390        | 394        | 398        |
| Max-Power Voltage(V <sub>m</sub> )      | V    | 28.9       | 29.1       | 29.3       | 29.5       |
| Max-Power Current(I <sub>m</sub> )      | A    | 10.61      | 10.67      | 10.73      | 10.79      |
| Open-Circuit Voltage(V <sub>oc</sub> )  | V    | 34.8       | 35.0       | 35.2       | 35.4       |
| Short-Circuit Current(I <sub>sc</sub> ) | A    | 11.22      | 11.28      | 11.32      | 11.36      |

NMOT: Irradiation 800W/m<sup>2</sup>; Ambient temperature 20°C; Wind Speed 1m/s

## Temperature Coefficient

|   |           |
|---|-----------|
| Nominal Module Operating Temperature          | 43±2°C    |
| Temperature coefficient of P <sub>m</sub> max | -0.35%/°C |
| Temperature coefficient of V <sub>oc</sub>    | -0.26%/°C |
| Temperature coefficient of I <sub>sc</sub>    | 0.048%/°C |

## Operating Conditions

|                             |              |
|-----------------------------|--------------|
| Max. system voltage         | DC1500V(IEC) |
| Max. series fuse rating     | 25A          |
| Operating temperature range | -40°C~+85°C  |

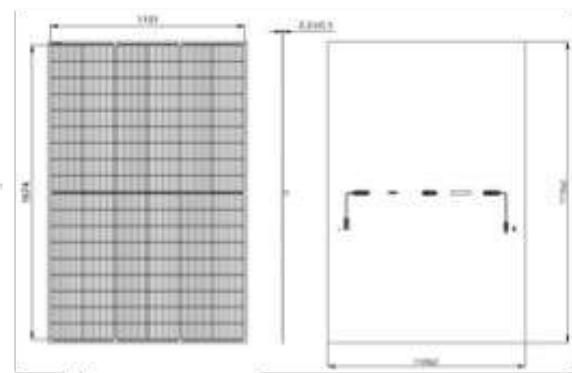
## Mechanical Characteristics

|  |                                   |
|--|-----------------------------------|
| Installation Module Dimension (L×W×H)        | 1716mm×1128mm×2.2mm               |
| Weight                                       | 9.1 kg                            |
| Glass Type                                   | High Transmittance Tempered Glass |
| Cell quantity / material / type / dimensions | 108(6×18) / Mono / 182*91mm       |
| Encapsulant                                  | POE                               |
| Junction box protection degree               | IP53                              |
| Cable (length/cross-section area)            | Customizable / 4mm <sup>2</sup>   |
| Connector                                    | MC4 Compatible                    |
| Max. Load                                    | 2400Pa/2400Pa                     |

## Package

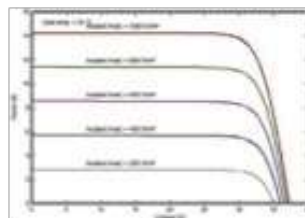
| Transportation   | Container Size | Quantity(pcs) | Quantity(per pallet) |
|------------------|----------------|---------------|----------------------|
| Container        | 40'HQ          | 1104          | 46                   |
| Platform Trailer | 13m            | 1196          | 46                   |
| Platform Trailer | 17.5m          | 2116          | 46                   |

## Module Size

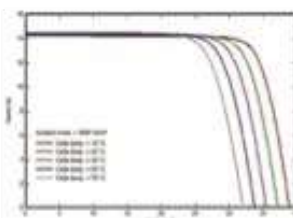


## I-V Curve

I-V Curves of SSD415AH5T at different irradiance



I-V Curves of SSD410AH5T at different cell temperature



# EINNOVA

SOLARLINE

## ESM-320 AGRI PV

**182mm 80Cells Double  
Glass Bifacial Frameless  
AGRI Mono Half Cell PV  
Module Series**

TRANSMITTANCE 45 (%)



### Module characteristics



SMBB Technology  
Half Cut Solar Cell



High Energy  
Performance



100% Inspection  
30years Guarantee



Fire Class A



Strengthened  
Mechanical Load

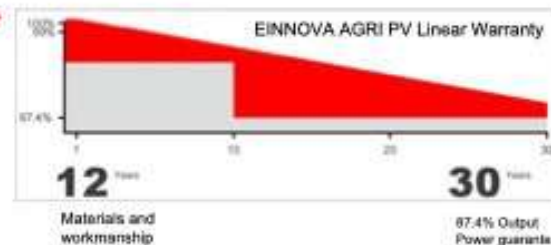


Advanced Bifacial  
Efficiency

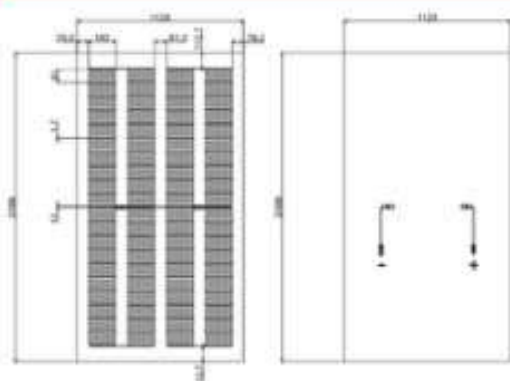


### Long and reliable quality assurance

- IEC61215(2016), IEC61730(2016)
- ISO9001:2015: Quality management system
- ISO14001:2015: Environmental management system
- ISO45001:2018: Occupational health and safety management system

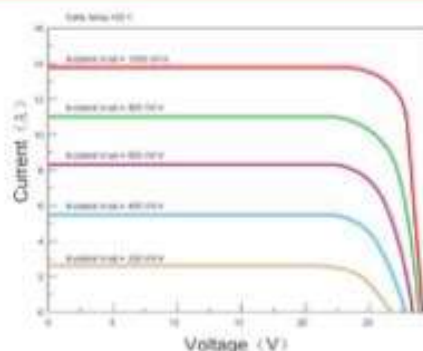


## Mechanical Diagrams



All Dimensions in mm  
The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact EINNOVA.

## Curve



## Characteristics(STC)

|                                |                 |
|--------------------------------|-----------------|
| Module Type                    | ESM 320         |
|                                | STC             |
| Maximum Power - Pmax(W)        | 320             |
| Open Circuit Voltage - Voc(V)  | 28.12           |
| Short-Circuit Current - Isc(A) | 13.77           |
| Voltage at Pmax - Vmp(V)       | 24.6            |
| Current at Pmax - Imp(A)       | 13.01           |
| Module Efficiency - ηm(%)      | 19.55           |
| Power Tolerance(W)             | (0, +4.99W)     |
| Maximum System Voltage(V)      | 700Vdc (IEC/UL) |
| Maximum Series Fuse Rating (A) | 25A             |

STC : Irradiance 1000W/m<sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5

## Mechanical Specifications

|                 |   |
|-----------------|---|
| Dimensions      | 2088*1128*5mm   |
| Weight          | 27kg  |
| Solar Cells     | Mono crystalline 182mm (2x40pcs)                                    |
| Front Glass     | 2+2 mm tempered glass   |
| Frame           | Aluminum  |
| Junction Box    | IP67  |
| Output Cables   | 4.0mm <sup>2</sup> , 120cm (+), 120cm (-), length can be customized |
| Connector       | MC4 Compatible  |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa                       |

## Temperature Characteristics

|  |             |
|--|-------------|
| Pmax Temperature Coefficient             | -0.290%/°C  |
| Voc Temperature Coefficient              | -0.250%/°C  |
| Isc Temperature Coefficient              | +0.045%/°C  |
| Operating Temperature                    | -40 ~ +85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C      |

## Packing Configuration


|                       |               |       |
|-----------------------|---------------|-------|
| Product size          | 2088*1128*5mm |       |
| Container             | 20'GP         | 40'HQ |
| Pieces per Pallet     | 34            | 34    |
| Pallets per Container | 6             | 26    |

### EINNOVA SOLARLINE ENERGY CORP. LIMITED

210000 Nanjing  
PEOPLE'S REPUBLIC OF CHINA  
TEL: +86-25-8479-2033  
Cell: +86-138-13088384  
EMAIL: erema.wu@einnova-solarline.com  
Website: www.einnova-solarline.com

The company reserves the right of final right of adjustment of this file.

## SMF520J-12X12UW










**POWER OUTPUT RANGE**      520 W

**POWER TOLERANCE**          0-5 W


**12 Year Product Warranty**

**25 Year Linear Power Warranty**

ULTRA-LIGHT & FLEXIBLE SOLAR PANEL



**Soltech**  
Lightweight Solar Pioneer

## 520 Watt

### 144 Half Cell Monocrystalline Module

**Ultra-light:** Glass free module weighs 7.7 kg, 70% lighter than conventional glass modules.

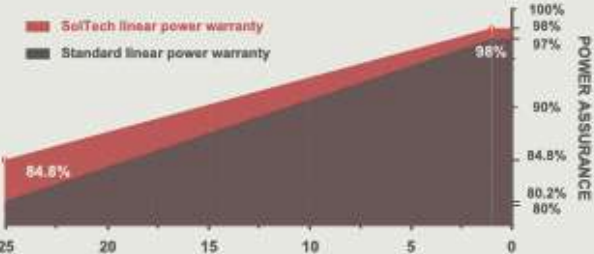
**Fast-Installation:** Through "Quick-Bonding" installation, eArc requires no penetration, reduces time on roof and saves installation costs.

**Safety:** Integration with underlying installation surface, ensuring the waterproof performance and safety performance of the roof.

**Durable:** eArc is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC61730:2016 and UL61730 (USA). eArc has also passed PID, salt mist level 8 tests.

### LINEAR PERFORMANCE WARRANTY

CAUTION: Read installation manual before using the product.  
©2024 SolTech Energy Group. All rights reserved. Specifications included in this datasheet are subject to change without notice.



| Year | SolTech Linear Power Warranty (%) | Standard Linear Power Warranty (%) |
|------|-----------------------------------|------------------------------------|
| 0    | 98%                               | 98%                                |
| 5    | 94.8%                             | 90%                                |
| 10   | 91.6%                             | 84.8%                              |
| 15   | 88.4%                             | 80.2%                              |
| 20   | 85.2%                             | 80%                                |
| 25   | 84.8%                             | 80%                                |

### DIMENSIONS

### I-V CURVE (520)

### TEMPERATURE CHARACTERISTICS

|   |            |
|---|------------|
| Nominal Module Operating Temperature (NMOT) | 41±2 °C    |
| Temperature Coefficient of $P_{max}$        | -0.34 %/°C |
| Temperature Coefficient of $V_{oc}$         | -0.26 %/°C |
| Temperature Coefficient of $I_{sc}$         | 0.033 %/°C |

SMF520J IEC EN 2024B 9

Lightweight Solar Pioneer

### ELECTRICAL CHARACTERISTICS

| STC                                | SMF520J-12X12UW |
|------------------------------------|-----------------|
| Maximum Power ( $P_{max}$ )        | 520             |
| Maximum Power Voltage ( $V_{mp}$ ) | 42.3            |
| Maximum Power Current ( $I_{mp}$ ) | 12.31           |
| Open-circuit Voltage ( $V_{oc}$ )  | 49.6            |
| Short-circuit Current ( $I_{sc}$ ) | 13.56           |
| Module Efficiency (%)              | 19.3            |
| Operating Temperature              | -40 °C to 85 °C |
| Maximum System Voltage             | 1500 V DC (IEC) |
| Maximum Series Fuse Rating         | 25 A            |
| Application Class                  | Class A         |
| Power Tolerance                    | 0/+5 W          |

STC: irradiance 1000W/m², Cell temperature 25°C, AM1.5, Wind speed 1 m/s. Tolerance of  $P_{max}$ ,  $V_{oc}$  and  $I_{sc}$  are within ±5%.

### MECHANICAL CHARACTERISTICS

| Solar Cell        | Monocrystalline silicon (182mm half cell)                     |
|-------------------|---|
| No. of Cells      | 144 (12×12)   |
| Module Dimensions | 2246×1197×2 mm  |
| Weight            | 7.7kg ±3%   |
| Backsheet         | White   |
| Frame             | Frameless   |
| J-box             | IP 68 rated   |
| Output Cables     | Photovoltaic technology cable 4.0 mm 2 ... (+)450 / (-)450 mm |
| Connector         | MC4-EVO2  |

### PACKAGING CONFIGURATION

|                      | 20' GP | 40' HC |
|----------------------|--------|--------|
| Module per pallet    | 66     | 66±50  |
| Pieces per container | 264    | 828    |

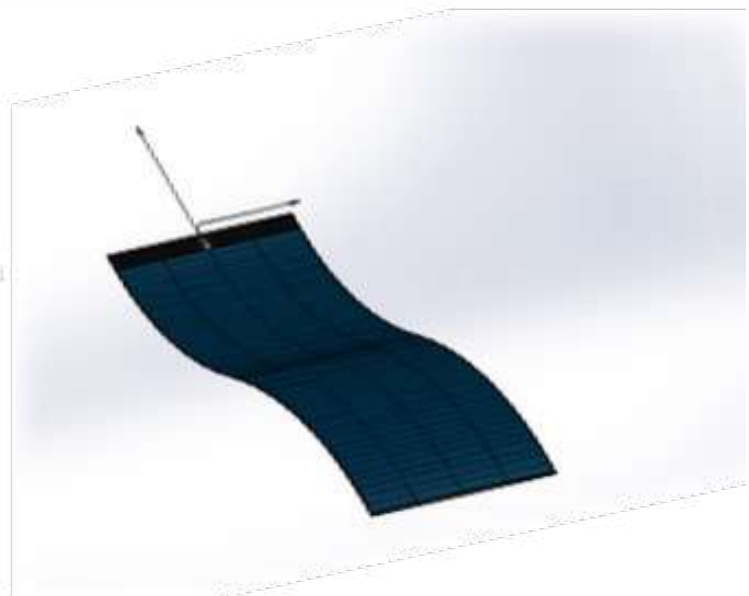
## FLEX SERIES—03W 2.6 METER

1.3m x 2.6m  
460 – 560W

CIGS Flexible Modules:  
High Power Density in a Flexible Form Factor

### KEY FEATURES

- Record efficiency levels in a flexible form factor
- Low installed weight at less than 2.0 kg/m<sup>2</sup> (0.05 lb/ft<sup>2</sup>)
- No penetrations, ballast or racking required
- Applicable for high wind load and high seismic hazard areas
- Bypass diodes reduce PV system shading losses
- Directly installs to many approved surfaces



## FLEX SERIES

### FLEX-03W 2.6 METER SERIES CIGS MODULE

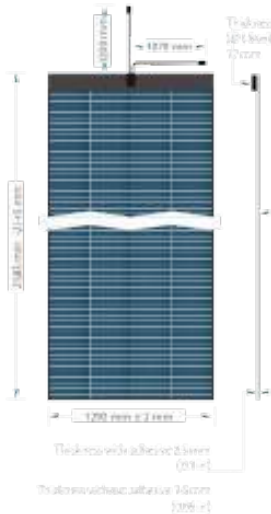
#### ELECTRICAL PERFORMANCE AT STC<sup>1</sup>

|                                 |           | FLEX-03<br>460W | FLEX-03<br>470W | FLEX-03<br>480W | FLEX-03<br>490W | FLEX-03<br>500W | FLEX-03<br>510W | FLEX-03<br>520W | FLEX-03<br>530W | FLEX-03<br>540W | FLEX-03<br>550W | FLEX-03<br>560W |        |
|---------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|
| Nominal Power                   | $P_{nom}$ | [W]             | 460             | 470             | 480             | 490             | 500             | 510             | 520             | 530             | 540             | 550             | 560    |
| Aperature Efficiency            | $\eta$    | [%]             | 15.0%           | 15.4%           | 15.7%           | 16.0%           | 16.4%           | 16.7%           | 17.0%           | 17.3%           | 17.7%           | 18.0%           | 18.5%  |
| Power Output Tolerance          |           | [W]             | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0          | +10/-0 |
| Maximum Power Voltage           | $V_{mp}$  | [V]             | 58.2            | 59.6            | 60.9            | 61.4            | 62.4            | 63.3            | 64.2            | 65.1            | 66.0            | 66.9            | 67.9   |
| Maximum Power Current           | $I_{mp}$  | [A]             | 7.87            | 7.91            | 7.95            | 7.99            | 8.03            | 8.07            | 8.11            | 8.15            | 8.19            | 8.23            | 8.27   |
| Open Circuit Voltage            | $V_{oc}$  | [V]             | 74.1            | 74.8            | 75.6            | 76.4            | 77.2            | 77.9            | 78.7            | 79.5            | 80.3            | 81.0            | 81.8   |
| Short Circuit Current           | $I_{sc}$  | [A]             | 9.23            | 9.19            | 9.15            | 9.11            | 9.07            | 9.02            | 8.98            | 8.94            | 8.90            | 8.86            | 8.82   |
| Maximum Series Fuse Rating      |           | [A]             | 25              |                 |                 |                 |                 |                 |                 |                 |                 |                 |        |
| Maximum System Voltage (IEC/UL) | [V]       |                 | 1000/1000       |                 |                 |                 |                 |                 |                 |                 |                 |                 |        |

<sup>1</sup>Standard One Sun (1000 W/m<sup>2</sup>, 25°C cell temperature, AM1.5 spectrum)

#### THERMAL CHARACTERISTICS

|                                      |        |       |
|--------------------------------------|--------|-------|
| NOCT                                 | [°C]   | 48    |
| Temperature Coefficient of $P_{max}$ | [%/°C] | -0.38 |
| Temperature Coefficient of $V_{oc}$  | [%/°C] | -0.28 |
| Temperature Coefficient of $I_{sc}$  | [%/°C] | 0.008 |



#### PHYSICAL AND MECHANICAL SPECIFICATIONS

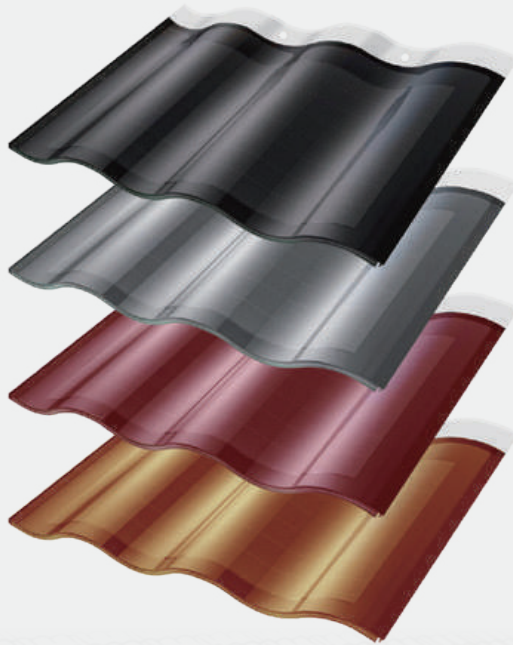
|                                       |   |
|---------------------------------------|---|
| Length                                | 2583 mm (101.8 in, 8'6" 5/8")   |
| Width                                 | 1292 mm (50.9 in, 4'8" 2/8")  |
| Thickness, Maximum at (-Box)*, Module | 17 mm (0.7 in), 23 mm (0.1 in)  |
| Weight (Module without adhesive)      | 5.6 kg (12.3 lb)  |
| Weight (Module with adhesive)         | 6.6 kg (14.6 lb)  |
| Weight/Area (Module without adhesive) | 1.7 kg/m <sup>2</sup> (0.3 lb/ft <sup>2</sup> )   |
| Weight/Area (Module with adhesive)    | 2.0 kg/m <sup>2</sup> (0.4 lb/ft <sup>2</sup> )   |
| Junction Box Type                     | IP68  |
| Cable Connections                     | Helios 1H (SnF)   |
| Cell Type                             | Copper Indium Gallium Diarsenide (CIGS)   |
| Warranty**                            | 5 year workmanship, 10/25 year power output   |
| Certifications                        | UL 1703, IEC 61646, IEC 61730, cUL 1703, IEC 62716, IEC 61701 (Salt Spray), For Roofing Systems as the external fire exposure per UL file E483778 for Class A, B or C |
| Packaging Info                        | 5 modules per crate, 20 modules per pallet, 320 modules per 20' ISO container, 640 modules per 40' ISO container  |

\*1.8 mm (0.1 inch) for the thickness of the module with adhesive  
 \*\*10 mm (0.39 inch) for the thickness of the module with adhesive  
 \*\*Please refer warranty for details

## **BIPV Module** **XSDCM-50-H** / Curved Tile

[ Multiple color options ]

● Night black ● Sky gray ● Brick red ● Sunny orange



### **N-HJT**

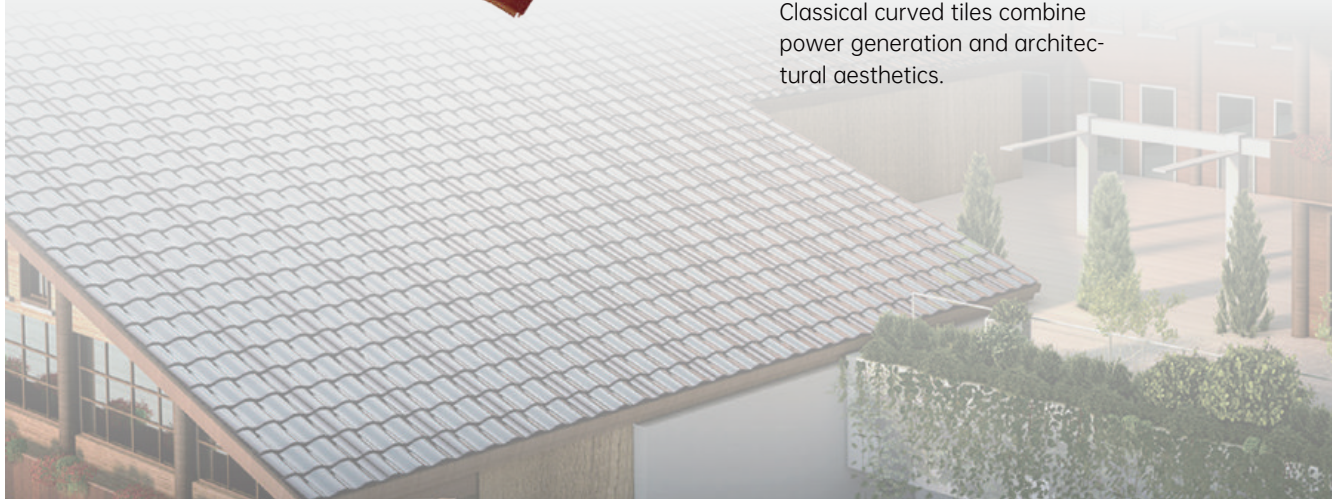
Conversion Efficiency  
**23.8%**

Maximum Power Output  
**50W**

Weight  
**5.5kg/pc**

Quality Assurance  
Product warranty **15** years  
Power warranty **30** years

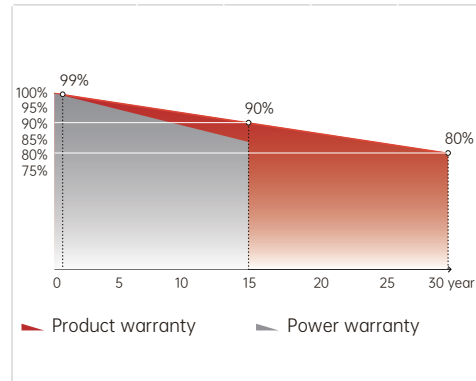
Classical curved tiles combine power generation and architectural aesthetics.



## ELECTRICAL PROPERTY PARAMETER

| ELECTRICAL PROJECT                 |         | PARAMETERS  |      |      |
|------------------------------------|---------|-------------|------|------|
| Maximum power                      | Pmax(W) | 46          | 48   | 50   |
| Optimum operating voltage          | Vmp(V)  | 5.86        | 5.95 | 5.98 |
| Optimum operating current          | Imp(A)  | 7.85        | 8.07 | 8.37 |
| Open-circuit voltage               | Voc(V)  | 6.64        | 6.67 | 6.69 |
| Short-circuit current              | Isc(A)  | 8.44        | 8.49 | 8.62 |
| Module operating temperature range | °C      | -40°C~+85°C |      |      |
| Maximum system voltage             | V(IEC)  | DC1000/1500 |      |      |
| Maximum fuse current               | A       | 25          |      |      |
| Power tolerance range              | %       | 0~+3%       |      |      |

\*STC(Standard test circumstance): Frontal irradiation 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5.



## TEMPERATURE COEFFICIENT

|   |      |      |          |
|---|------|------|----------|
| Rated operating temperature of the cell       | VOCT | °C   | 44°C±2°C |
| Maximum power temperature coefficient         | Pmax | %/°C | -0.26    |
| Open-circuit voltage temperature coefficient  | Voc  | %/°C | -0.24    |
| Short-circuit current temperature coefficient | Isc  | %/°C | 0.04     |

## SAFETY LEVEL & WARRANTY

|                  |  |
|------------------|--|
| Safety level     | Class II                                     |
| Product warranty | 15 years of product materials and technology |
| Power warranty   | 30 years linear power output                 |

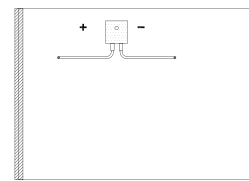
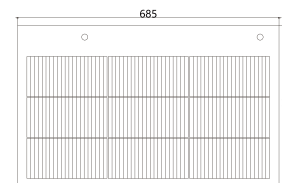
\*The attenuation in the first year is 1%.  
From the following year, the annual decline is less than 0.5%.  
The module power is no less than 80% in the 30th year.

## MECHANICAL PARAMETER

|                                   |   |
|-----------------------------------|---|
| Cell type                         | HJT cell 210×105mm  |
| Cell arrangement                  | 9 pcs (3×3)   |
| Module size                       | 685×420×9mm   |
| Module weight                     | 5.5kg   |
| Junction box                      | Enclosure rating IP68   |
| Output cable                      | 4mm <sup>2</sup> ,500mm cable net length.<br>Cable length can be customized |
| Connector type                    | MC4 compatibility   |
| Frame                             | Aluminium alloy   |
| Front static load (snow pressure) | 5400Pa  |
| Rear static load (wind pressure)  | 2400Pa  |

## PACKING DETAILS

| Transportation          | Platform Lorry  | Platform Lorry | Container | Container |
|-------------------------|-----------------|----------------|-----------|-----------|
| Size                    | 13m             | 17.5m          | 20'C      | 40'C      |
| Pallet                  | 64              | 88             | 21        | 45        |
| Piece/Pallet            | 70              | 70             | 70        | 70        |
| Total pieces            | 4480            | 6160           | 1470      | 3150      |
| Packaging size (Pallet) | 1510*1110*570mm |                |           |           |



## COMPREHENSIVE PRODUCT CERTIFICATION AND QUALITY MANAGEMENT SYSTEM



## PRODUCT FEATURE



Composite integrated design drainage, ventilation and heat insulation



The classical curved tile style inherits the architectural aesthetic model



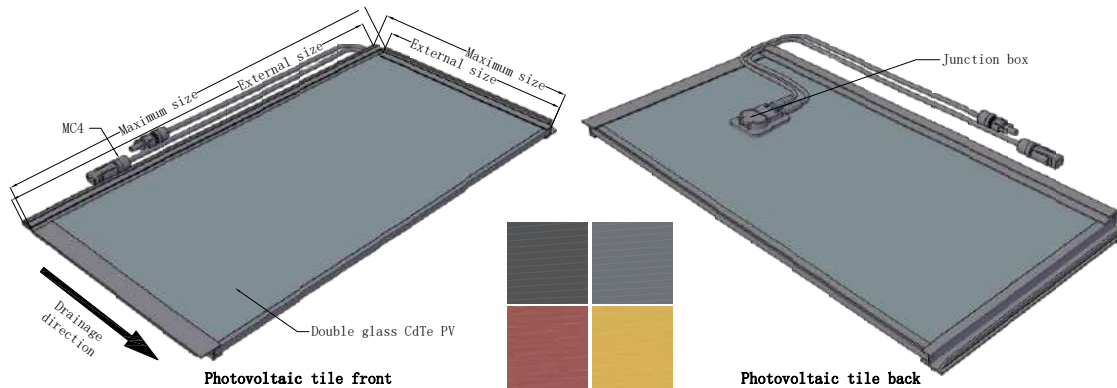
The patented design is convenient and quick to install



Patented packaging process with double waterproof sealing



Customized development of color for patented nano-film layers



### Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            |                     | ASP-SST4-black |
|-----------------------------|---------------------|----------------|
| Potencia máxima             | P <sub>m</sub> (W)  | 25             |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 58.00          |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 0.680          |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 43.20          |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 0.600          |

### Propiedades del sistema (en STC)

|   |                      |        |
|---|----------------------|--------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  | 1.0    |
| Limitación de la corriente inversa        | I <sub>R</sub> (A)   | 1.5    |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) | 1000.0 |

### Estructura de la composición de los módulos FV

3.2mm celda solar + 0.5mm EVA + cinta de butilo + 3.2mm vidrio (Marco de aleación de aluminio)

### Especificaciones mecánicas

|                        |  |
|------------------------|--|
| Tamaño de construcción | 637*330mm(±3mm)                          |
| Tamaño externo         | 622*296mm(±3mm)                          |
| Grosor                 | 27.5mm(±2mm)                             |
| Tamaño superpuesto     | Parte superior:34mm, Borde lateral:15mm  |
| Peso                   | 3.5kg                                    |
| Color                  | Negro, cian, rojo, dorado                |
| Modo impermeable       | Impermeabilización estructural           |
| Marco                  | Aleación de aluminio (espesor anodizado) |
| J - Box                | Trasero, IP68                            |
| Cable                  | 2.5mm <sup>2</sup> , 350mm(+)&350mm(-)   |
| Conectores             | MC4                                      |
| Diodo de derivación    | 10A                                      |
| Tipo de celda          | Teluro de cadmio (CdTe)                  |

### Carácter mecánico

|  |           |
|--|-----------|
| Capacidad de carga                           | ±2400(Pa) |
| Clasificación de protección contra incendios | Class A   |
| Resistencia al granizo                       | APTO      |
| Pendiente mínima de instalación              | ≥ 10°     |

### Configuración del embalaje

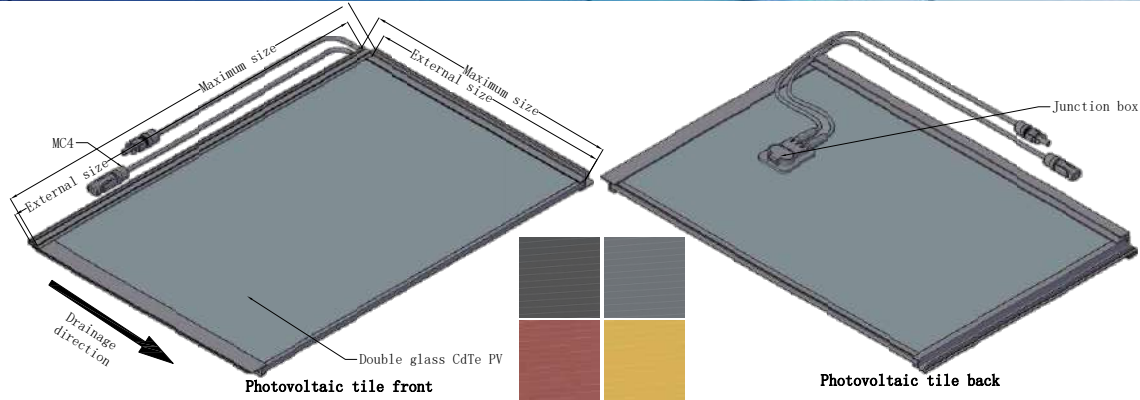
|                               |       |               |
|-------------------------------|-------|---------------|
| Módulos Por Palet             | (UDS) | 54            |
| Peso Por Palet                | (kg)  | 210           |
| Dimensiones Por Palet         | (mm)  | 1330x1100x500 |
| Módulos Por Contenedor de 40' | (UDS) | 2592          |

### Características de temperatura (en STC)

|   |                        |            |
|---|------------------------|------------|
| Coefficientes de temperatura de I <sub>sc</sub> | T <sub>ca</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> | T <sub>vc</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub>  | T <sub>pc</sub> (%/°C) | -0.214     |
| Rango de temperatura de funcionamiento          | (°C)                   | -40 to +85 |

- ### Garantía:
- 3 años de garantía en materiales y mano de obra.
  - Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

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### Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            |                     | ASP-SST3-black |
|-----------------------------|---------------------|----------------|
| Potencia máxima             | P <sub>m</sub> (W)  | 35             |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 38.70          |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 1.390          |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 28.80          |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 1.220          |

### Propiedades del sistema (en STC)

|   |                       |        |
|---|-----------------------|--------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)   | 2.0    |
| Limitación de la corriente inversa        | I <sub>R</sub> (A)    | 2.5    |
| Voltaje máximo del sistema                | V <sub>vsis</sub> (V) | 1000.0 |

### Estructura de la composición de los módulos FV

3.2mm celda solar + 0.5mm EVA & cinta de butilo + 3.2mm vidrio (Marco de aleación de aluminio)

### Especificaciones mecánicas

|                        |  |
|------------------------|--|
| Tamaño de construcción | 637*430mm(±3mm)                          |
| Tamaño externo         | 622*396mm(±3mm)                          |
| Grosor                 | 27.5mm(±2mm)                             |
| Tamaño superpuesto     | Parte superior:34mm, Borde lateral:15mm  |
| Peso                   | 5kg                                      |
| Color                  | Negro, cian, rojo, dorado                |
| Modo impermeable       | Impermeabilización estructural           |
| Marco                  | Aleación de aluminio (espesor anodizado) |
| J - Box                | Trasero, IP68                            |
| Cable                  | 2.5mm <sup>2</sup> , 350mm(+)&350mm(-)   |
| Conectores             | MC4                                      |
| Diodo de derivación    | 10A                                      |
| Tipo de celda          | Teluro de cadmio (CdTe)                  |

### Características de temperatura (en STC)

|   |                        |            |
|---|------------------------|------------|
| Coefficientes de temperatura de I <sub>sc</sub> | T <sub>ka</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> | T <sub>kv</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub>  | T <sub>kp</sub> (%/°C) | -0.214     |
| Rango de temperatura de funcionamiento          | (°C)                   | -40 to +85 |

### Carácter mecánico

|  |           |
|--|-----------|
| Capacidad de carga                           | ±2400(Pa) |
| Clasificación de protección contra incendios | Clase A   |
| Resistencia al granizo                       | APTO      |
| Pendiente mínima de instalación              | ≥ 10°     |

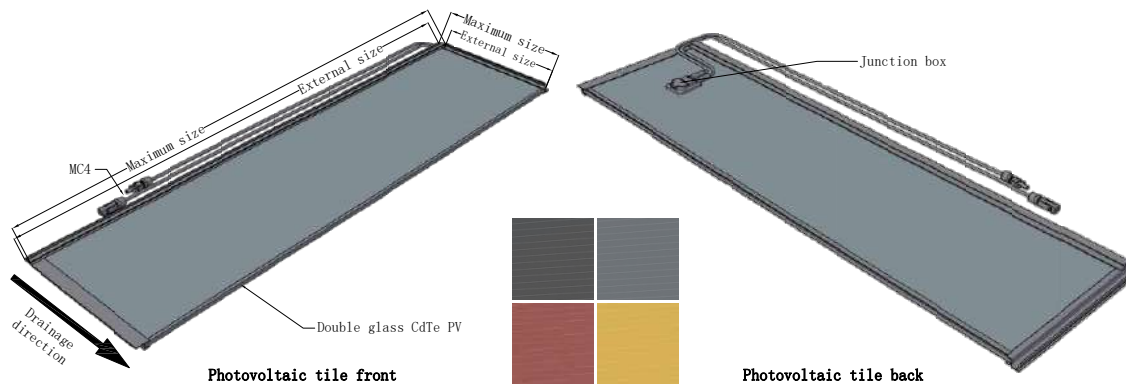
### Configuración del embalaje

|                               |       |               |
|-------------------------------|-------|---------------|
| Módulos Por Palet             | (UDS) | 54            |
| Peso Por Palet                | (kg)  | 250           |
| Dimensiones Por Palet         | (mm)  | 1330x1100x600 |
| Módulos Por Contenedor de 40' | (UDS) | 2592          |

### Garantía:

- 3 años de garantía en materiales y mano de obra.
- Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

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## Especificaciones eléctricas

| Condiciones de prueba estándar (STC): 1000 W/m <sup>2</sup> , 25 °C, AM1.5 |                     |                |
|--|---------------------|----------------|
| Tipos de modelos   |                     | ASP-SST2-black |
| Potencia máxima  | P <sub>m</sub> (W)  | 50             |
| Voltaje de circuito abierto  | V <sub>oc</sub> (V) | 116.00         |
| Corriente de cortocircuito   | I <sub>sc</sub> (A) | 0.640          |
| Voltaje de potencia pico   | V <sub>mp</sub> (V) | 86.37          |
| Corriente de potencia pico   | I <sub>mp</sub> (A) | 0.590          |

| Propiedades del sistema (en STC)          |                      |        |
|---|----------------------|--------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  | 1.0    |
| Limitación de la corriente inversa        | I <sub>R</sub> (A)   | 1.5    |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) | 1000.0 |

## Estructura de la composición de los módulos FV

3.2mm celda solar + 0.5mm EVA & cinta de butilo + 3.2mm vidrio (Marco de aleación de aluminio)

| Especificaciones mecánicas |  |
|----------------------------|--|
| Tamaño de construcción     | 1237*330mm(±3mm)                         |
| Tamaño externo             | 1222*296mm(±3mm)                         |
| Grosor                     | 27.5mm(±2mm)                             |
| Tamaño superpuesto         | Parte superior:34mm, Borde lateral:15mm  |
| Peso                       | 7.0kg                                    |
| Color                      | Negro, cian, rojo, dorado                |
| Modo impermeable           | Impermeabilización estructural           |
| Marco                      | Aleación de aluminio (espesor anodizado) |
| J - Box                    | Trasero, IP68                            |
| Cable                      | 2.5mm <sup>2</sup> , 1100mm(+)&1100mm(-) |
| Conectores                 | MC4                                      |
| Diodo de derivación        | 10A                                      |
| Tipo de celda              | Telururo de cadmio (CdTe)                |

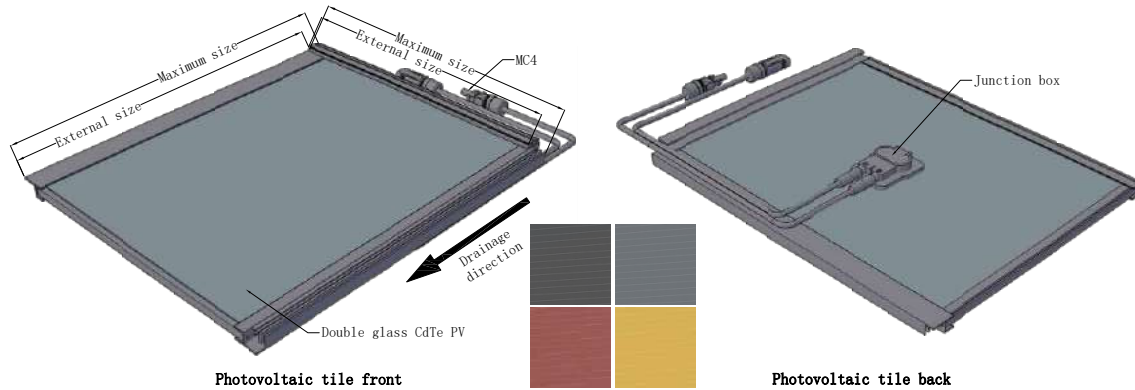
| Carácter mecánico                            |           |
|--|-----------|
| Capacidad de carga                           | ±2400(Pa) |
| Clasificación de protección contra incendios | Clase A   |
| Resistencia al granizo                       | APTO      |
| Pendiente mínima de instalación              | ≥ 10°     |

| Configuración del embalaje    |                    |
|-------------------------------|--------------------|
| Módulos Por Palet             | (UDS) 27           |
| Peso Por Palet                | (kg) 200           |
| Dimensiones Por Palet         | (mm) 1280x1100x500 |
| Módulos Por Contenedor de 40' | (UDS) 1512         |

| Garantía:  |  |
|--|--|
| · 3 años de garantía en materiales y mano de obra.   |  |
| · Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal. |  |

| Características de temperatura (en STC)                                 |            |
|---|------------|
| Coefficientes de temperatura de I <sub>sc</sub> T <sub>ref</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> T <sub>ref</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub> T <sub>ref</sub> (%/°C)  | -0.214     |
| Rango de temperatura de funcionamiento (°C)                             | -40 to +85 |

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### Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            |                     | ASP-SST5-black |
|-----------------------------|---------------------|----------------|
| Potencia máxima             | P <sub>m</sub> (W)  | 17             |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 38.70          |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 0.670          |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 28.80          |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 0.590          |

### Propiedades del sistema (en STC)

|   |                      |        |
|---|----------------------|--------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  | 1.0    |
| Limitación de la corriente inversa        | I <sub>R</sub> (A)   | 1.0    |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) | 1000.0 |

### Estructura de la composición de los módulos FV

3.2mm celda solar + 0.5mm EVA & cinta de butilo + 3.2mm vidrio (Marco de aleación de aluminio)

### Especificaciones mecánicas

|                        |  |
|------------------------|--|
| Tamaño de construcción | 337*430mm(±3mm)                          |
| Tamaño externo         | 322*396mm(±3mm)                          |
| Grosor                 | 27.5mm(±2mm)                             |
| Tamaño superpuesto     | Parte superior:34mm, Borde lateral:15mm  |
| Peso                   | 2.5kg                                    |
| Color                  | Negro, cian, rojo, dorado                |
| Modo impermeable       | Impermeabilización estructural           |
| Marco                  | Aleación de aluminio (espesor anodizado) |
| J - Box                | Trasero, IP68                            |
| Cable                  | 2.5mm <sup>2</sup> , 220mm(+)&220mm(-)   |
| Conectores             | MC4                                      |
| Diodo de derivación    | 10A                                      |
| Tipo de celda          | Telururo de cadmio (CdTe)                |

### Características de temperatura (en STC)

|  |            |
|--|------------|
| Coefficientes de temperatura de I <sub>sc</sub> T <sub>ko</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> T <sub>kp</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub> T <sub>ky</sub> (%/°C)  | -0.214     |
| Rango de temperatura de funcionamiento (°C)                            | -40 to +85 |

### Carácter mecánico

|  |           |
|--|-----------|
| Capacidad de carga                           | ±2400(Pa) |
| Clasificación de protección contra incendios | Clase A   |
| Resistencia al granizo                       | APTO      |
| Pendiente mínima de instalación              | ≥10°      |

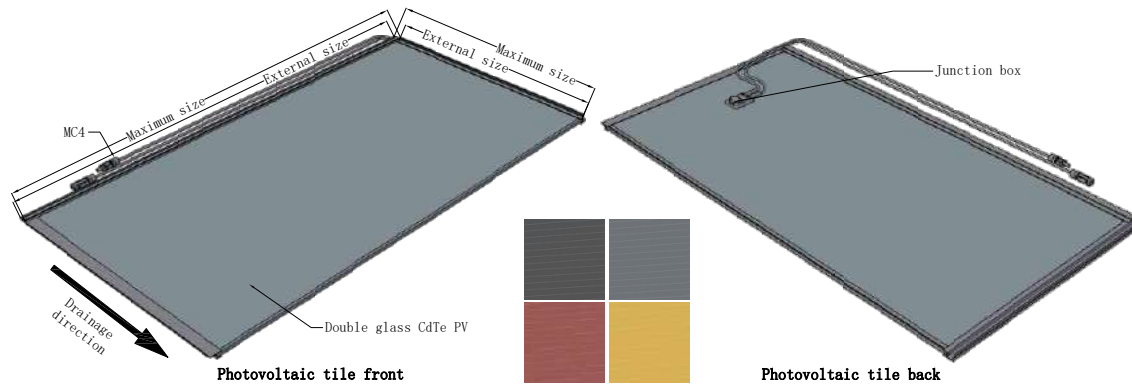
### Configuración del embalaje

|                               |       |               |
|-------------------------------|-------|---------------|
| Módulos Por Palet             | (UDS) | 81            |
| Peso Por Palet                | (kg)  | 220           |
| Dimensiones Por Palet         | (mm)  | 1140x1100x600 |
| Módulos Por Contenedor de 40' | (UDS) | 3888          |

### Garantía:

- 3 años de garantía en materiales y mano de obra.
- Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

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## Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            |                     | ASP-SST1-black |
|-----------------------------|---------------------|----------------|
| Potencia máxima             | P <sub>m</sub> (W)  | 105            |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 116.00         |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 1.390          |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 86.37          |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 1.220          |

## Propiedades del sistema (en STC)

|   |                      |        |
|---|----------------------|--------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  | 2.0    |
| Limitación de la corriente inversa        | I <sub>R</sub> (A)   | 2.5    |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) | 1000.0 |

## Estructura de la composición de los módulos FV

3.2mm celda solar + 0.5mm EVA & cinta de butilo + 3.2mm vidrio (Marco de aleación de aluminio)

## Especificaciones mecánicas

|                        |  |
|------------------------|--|
| Tamaño de construcción | 1237*630mm(±3mm)                         |
| Tamaño externo         | 1222*596mm(±3mm)                         |
| Grosor                 | 27.5mm(±2mm)                             |
| Tamaño superpuesto     | Parte superior:34mm, Borde lateral:15mm  |
| Peso                   | 14.0kg                                   |
| Color                  | Negro, cian, rojo, dorado                |
| Modo impermeable       | Impermeabilización estructural           |
| Marco                  | Aleación de aluminio (espesor anodizado) |
| J - Box                | Trasero, IP68                            |
| Cable                  | 2.5mm <sup>2</sup> , 580mm(+)&580mm(-)   |
| Conectores             | MC4                                      |
| Diode de derivación    | 10A                                      |
| Tipo de celda          | Telururo de cadmio (CdTe)                |

## Características de temperatura (en STC)

|   |            |
|---|------------|
| Coefficientes de temperatura de I <sub>sc</sub> T <sub>ref</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> T <sub>ref</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub> T <sub>ref</sub> (%/°C)  | -0.214     |
| Rango de temperatura de funcionamiento (°C)                             | -40 to +85 |

## Carácter mecánico

|  |           |
|--|-----------|
| Capacidad de carga                           | ±2400(Pa) |
| Clasificación de protección contra incendios | Clase A   |
| Resistencia al granizo                       | APTO      |
| Pendiente mínima de instalación              | ≥ 10°     |

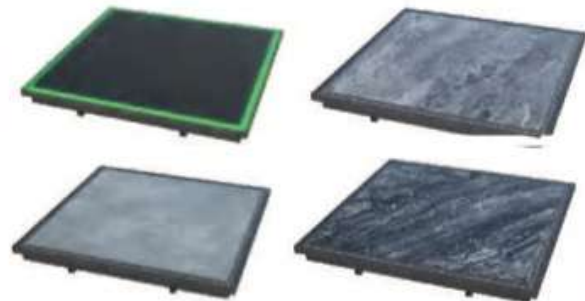
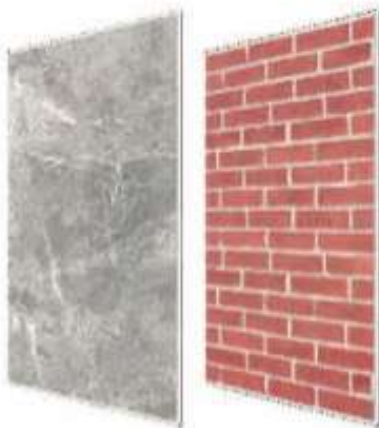
## Configuración del embalaje

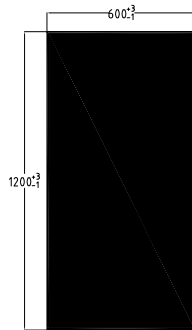
|                               |       |               |
|-------------------------------|-------|---------------|
| Módulos Por Palet             | (UDS) | 27            |
| Peso Por Palet                | (kg)  | 400           |
| Dimensiones Por Palet         | (mm)  | 1280x1100x800 |
| Módulos Por Contenedor de 40' | (UDS) | 756           |

## Warranty

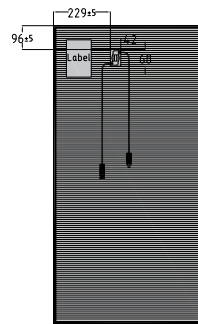
- 3 años de garantía en materiales y mano de obra.
- Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

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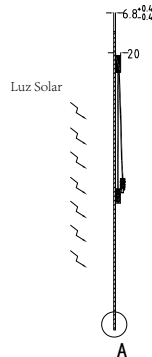




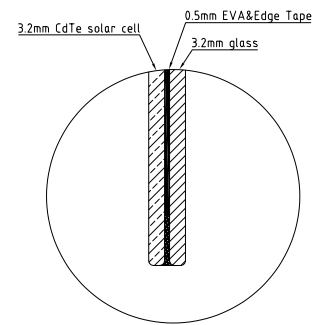
Vista delantera (cara hacia el sol)



Vista trasera



Vista derecha



Vista Aumentada

### Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            | /                   | ASP-S1-105 | ASP-S1-108 | ASP-S1-110 | ASP-S1-115 |
|-----------------------------|---------------------|------------|------------|------------|------------|
| Potencia máxima             | P <sub>m</sub> (W)  | 105        | 108        | 110        | 115        |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 116.00     | 120.00     | 176.84     | 180.49     |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 1.390      | 1.400      | 0.900      | 0.918      |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 86.37      | 87.45      | 138.00     | 138.18     |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 1.220      | 1.240      | 0.800      | 0.834      |

### Propiedades del sistema (en STC)

|   |                      |  |     |        |  |
|---|----------------------|--|-----|--------|--|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  |  | 2.0 |        |  |
| Limitación de la corriente inversa        | I <sub>s</sub> (A)   |  | 2.7 |        |  |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) |  |     | 1000.0 |  |

### Estructura de la composición de los módulos FV

3.2CdTe celda solar +0.5EVA&Edge Tape+3.2vidrio

### Especificaciones mecánicas

|                     |  |
|---------------------|--|
| Largo               | 1200mm                                 |
| Ancho               | 600mm                                  |
| Grosor              | 6.8mm                                  |
| Peso                | 12.0kg                                 |
| Color               | Negro                                  |
| Marco               | Ninguno                                |
| J - Box             | Trasero, IP68                          |
| Cable               | 2.5mm <sup>2</sup> , 580mm(+)&580mm(-) |
| Conectores          | MC4                                    |
| Diode de derivación | 10A                                    |
| Tipo de celda       | Telururo de cadmio (CdTe)              |

### Características de temperatura (en STC)

|   |                         |            |
|---|-------------------------|------------|
| Coefficientes de temperatura de I <sub>sc</sub> | T <sub>Ksc</sub> (%/°C) | +0.06      |
| Coefficientes de temperatura de V <sub>oc</sub> | T <sub>KVp</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P <sub>m</sub>  | T <sub>Kp</sub> (%/°C)  | -0.214     |
| Rango de temperatura de funcionamiento          | (°C)                    | -40 to +85 |

### Configuración del embalaje

|                               |                 |
|-------------------------------|-----------------|
| Módulos Por Palet             | 54UDS           |
| Peso Por Palet                | 685kg           |
| Dimensiones Por Palet         | 1260x1100x830mm |
| Módulos Por Contenedor de 40' | 1944UDS         |

### Garantía:

-10 años de garantía en materiales y mano de obra.

-Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

-Los módulos se gestionan a lo largo de su ciclo de vida con un programa de recolección y reciclaje que ofrece a los propietarios de los módulos la posibilidad de recuperar los al final de su vida útil y reciclarlos sin coste alguno.

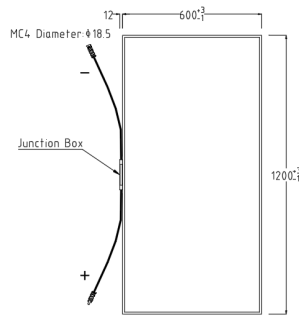
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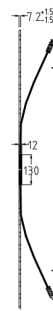
**Vidrios FV Semi-Transparentes**



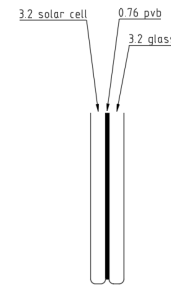
**Vidrios FV Semi-Transparentes con Colores**



Back view (Indoor side)



Left view



Configuration view

### Especificaciones eléctricas

Condiciones de prueba estándar (STC): 1000 W/m<sup>2</sup>, 25 °C, AM1.5

| Tipos de modelos            |                     | ASP-ST1-T10 | ASP-ST1-T20 | ASP-ST1-T30 | ASP-ST1-T40 | ASP-ST1-T50 | ASP-ST1-T60 | ASP-ST1-T70 |
|-----------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Transparencia               | %                   | 10%         | 20%         | 30%         | 40%         | 50%         | 60%         | 70%         |
| Potencia máxima             | P <sub>m</sub> (W)  | 94          | 84          | 73          | 63          | 52          | 42          | 31          |
| Voltaje de circuito abierto | V <sub>oc</sub> (V) | 116.0       | 116.0       | 116.0       | 116.0       | 116.0       | 116.0       | 116.0       |
| Corriente de cortocircuito  | I <sub>sc</sub> (A) | 1.19        | 1.07        | 0.93        | 0.80        | 0.66        | 0.53        | 0.40        |
| Voltaje de potencia pico    | V <sub>mp</sub> (V) | 86.4        | 86.4        | 86.4        | 86.4        | 86.4        | 86.4        | 86.4        |
| Corriente de potencia pico  | I <sub>mp</sub> (A) | 1.05        | 0.94        | 0.81        | 0.70        | 0.58        | 0.47        | 0.35        |

### Propiedades del sistema (en STC)

|   |                      |      |
|---|----------------------|------|
| Clasificación máxima de fusibles en serie | I <sub>cr</sub> (A)  | 2.0  |
| Limitación de la corriente inversa        | I <sub>l</sub> (A)   | 2.5  |
| Voltaje máximo del sistema                | V <sub>sys</sub> (V) | 1000 |

### Estructura de la composición de los módulos FV

3.2 Vidrio CdTe celda solar + 0.76 PVB + 3.2 T Vidrio

### Especificaciones mecánicas

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Largo                           | 1200mm                                |
| Ancho                           | 600mm                                 |
| Grosor                          | 7.2mm                                 |
| Tasa de eliminación de película | 10%~70% ; cada 10%                    |
| Peso                            | 12.5kg                                |
| Color                           | Transparente                          |
| Cable                           | 2.5mm <sup>2</sup> ,580mm(+)&580mm(-) |
| J- Box                          | Lateral largo, IP68                   |
| Diodo de derivación             | 6A                                    |
| Conectores                      | MC4                                   |
| Grado de protección             | IP68                                  |
| Diámetro de los conectores      | 18.5mm                                |
| Marco                           | Ninguno                               |
| Vidrio aislante sellado         | Ninguno                               |
| Tipo de celda                   | Telururo de cadmio (CdTe)             |

### Características de temperatura (en STC)

|  |            |
|--|------------|
| Coefficientes de temperatura de T <sub>ko</sub> (%/°C)   | +0.06      |
| Coefficientes de temperatura de V T <sub>ko</sub> (%/°C) | -0.321     |
| Coefficientes de temperatura de P T <sub>ko</sub> (%/°C) | -0.214     |
| Rango de temperatura de funcionamiento (°C)              | -40 to +85 |

### Configuración del embalaje

|                               |                 |
|-------------------------------|-----------------|
| Módulos Por Palet             | 54UDS           |
| Peso Por Palet                | 685kg           |
| Dimensiones Por Palet         | 1260x1100x830mm |
| Módulos Por Contenedor de 40' | 1944UDS         |

### Garantía:

- 3 años de garantía en materiales y mano de obra.
- Garantía de los primeros 10 años del 90 % de la potencia nominal y 25 años de 80 % potencia nominal.

Add: 801 Lingyun Street, Hangzhou Economic & Technological Development District Area, Hangzhou, Zhejiang Province, China  
Email: info@soltechlatam.com

## PRINCIPALES APLICACIONES Y TIPOS DE INSTALACIÓN

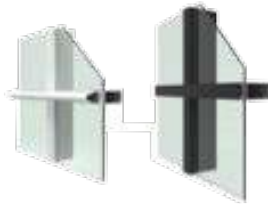
### Fachadas



Muro cortina



Perfil ventana



Perfil muro cortina



Tipo araña

### Barandillas



Perfil barandilla



Barandilla

### Skylight/Claraboya



### Pérgola



## ALUMBRADO LED

### DISEÑO ELEGANTE



### REPOSICIÓN DE BATERÍA RÁPIDA Y SENCILLA

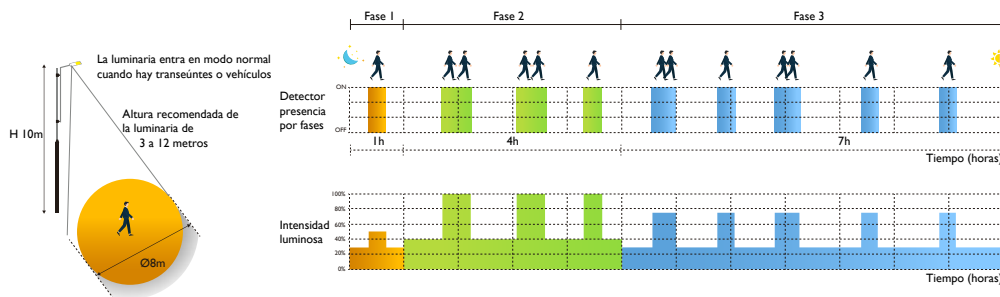
- Cuando la batería haya llegado a la vida útil se puede realizar un cambio de batería y doblar la vida útil del producto
- Cambio de batería en dos minutos

### SISTEMA DE REGULACIÓN POR DETECCIÓN MOVIMIENTO

La luminaria tiene incorporado un sistema inteligente que permite optimizar el uso de la batería en base al funcionamiento del sensor de movimiento y la programación del controlador por tramos horarios.

El sensor de movimiento detecta el tránsito de personas y vehículos y modula entre modo normal y modo ahorro. La programación permite tener un rendimiento lumínico mayor para las horas con mayor tránsito.

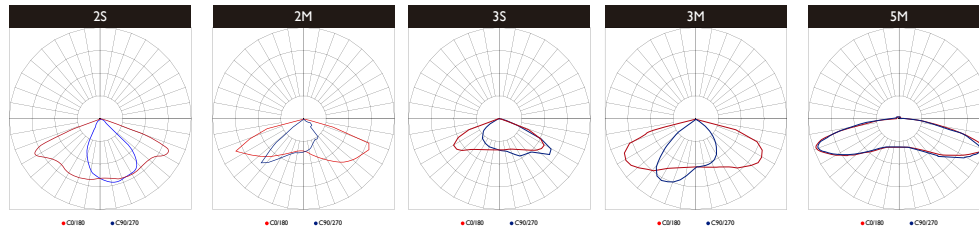
Estas variables pueden ser modificables en base a los requerimientos específicos de cada proyecto.



SERIE AIO HYBRID™

## SERIE AIO HYBRID

### DATOS FOTOMÉTRICOS



### FÁCIL INSTALACIÓN, SIN CABLEADO

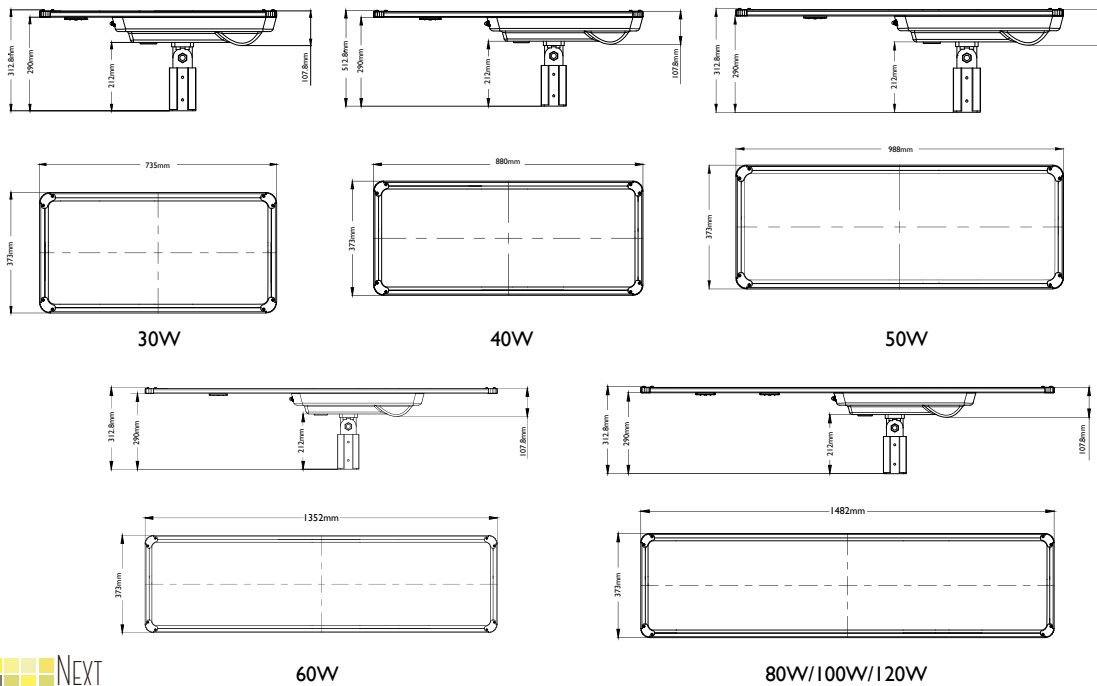


Instalación vertical



Instalación horizontal

### DIMENSIONES



EL FUTURO ES AHORA



| DATOS TÉCNICOS SERIE AIO™                     |  |                       |                          |                        |                        |                          |                        |
|---|--|-----------------------|--------------------------|------------------------|------------------------|--------------------------|------------------------|
| Referencia                                    | NCL-AI30   | NCL-AI40              | NCL-AI50                 | NCL-AI60               | NCL-AI80               | NCL-AI100                | NCL-AI120              |
| Referencia                                    | 30W  | 40W                   | 50W                      | 60W                    | 80W                    | 100W                     | 120W                   |
| Led   | Philips Lumileds   |                       |                          |                        |                        |                          |                        |
| Driver  | AC 100-277V  |                       |                          |                        |                        |                          |                        |
| Panel solar                                   | Panel solar monocristalino NextCity Labs® hasta 23% eficiencia |                       |                          |                        |                        |                          |                        |
| Potencia panel solar                          | 18V 40W  | 18V 50W               | 18V 60W                  | 18V 80W                | 18V 100W               | 18V 100W                 | 18V 100W               |
| Temperatura operativa                         | -30°C to 60°C  |                       |                          |                        |                        |                          |                        |
| Intensidad luminosa (±5%)                     | 5100lm   6000lm  | 6850lm   8000lm       | 8500lm   10000lm         | 10250lm   12000lm      | 13700lm   16000lm      | 17000lm   20000lm        | 20200lm   22500lm      |
| Eficiencia luminosa (±5%)                     | 175lm/W   200lm/W  |                       |                          |                        |                        |                          |                        |
| Batería Litio ferroso (LiFePO4)               | 12.8V 18AH   | 12.8V 24AH            | 12.8V 27AH               | 12.8V 31AH             | 12.8V 43AH             | 12.8V 48AH               | 12.8V 54AH             |
| Batería Litio ferroso (LiFePO4) Versión Extra | 12.8V 24AH   | 12.8V 30AH            | 12.8V 33AH               | 12.8V 42AH             | 12.8V 54AH             | 12.8V 60AH               | 12.8V 66AH             |
| Tiempo carga                                  | Tiempo carga 6-7 horas (sol óptimo)                            |                       |                          |                        |                        |                          |                        |
| Duración batería                              | 2-3 días*  |                       |                          |                        |                        |                          |                        |
| Dimming                                       | Sensor movimiento / Sensor infrarrojos / Time Control          |                       |                          |                        |                        |                          |                        |
| CRI   | >70 por defecto. (>80 >85 >90 bajo petición)                   |                       |                          |                        |                        |                          |                        |
| CCT   | Desde 2500K hasta 6000K  |                       |                          |                        |                        |                          |                        |
| Nivel protección                              | IP66 / IK09  |                       |                          |                        |                        |                          |                        |
| Óptica  | 2S 2M 3S 3M 5M   |                       |                          |                        |                        |                          |                        |
| Material                                      | Carcasa: 100% aluminio resistente corrosión                    |                       |                          |                        |                        |                          |                        |
| Color luminaria                               | Gris metalizado. Otros colores bajo petición.                  |                       |                          |                        |                        |                          |                        |
| Peso luminaria                                | 11.5Kg   | 12Kg                  | 13.5Kg                   | 15.5Kg                 | 18Kg                   | 18.6Kg                   | 19Kg                   |
| Embalaje                                      | 830x455x180mm<br>13Kg  | 980x455x180mm<br>15Kg | 1000x455x180mm<br>16.5Kg | 1450x455x180mm<br>19Kg | 1580x455x180mm<br>22Kg | 1580x455x180mm<br>22.6Kg | 1580x455x180mm<br>23Kg |
| Carga contenedor 20/40/HQ                     | 430/870/1012uds  | 390/800/900uds        | 364/768/844uds           | 266/550/622uds         | 224/472/544uds         | 224/472/544uds           | 224/472/544uds         |

\*2-3 días en función del porcentaje de intensidad usado en modo ahorro estándar.

## CERTIFICACIONES



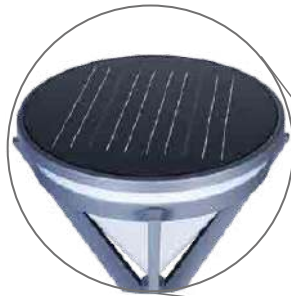
## OPCIONES



## ALUMBRADO LED



CIUDADES BELLAS Y MUY SOSTENIBLES



Panel solar monocristalino NextCity Labs® de alta capacidad de absorción

Batería Litio Ferroso (LiFePO4) de gran capacidad, vida útil y alta resistencia a altas temperaturas



● Encendido y apagado automático mediante detección luz/oscuridad.

● Sin necesidad de electricidad. Máximo ahorro

● IP65 e IK08.

● Sin instalaciones aparatosas ni cableado.

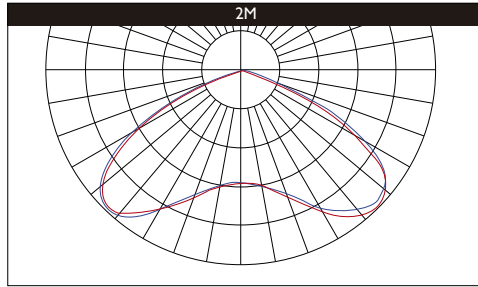


Modo ahorro por intervalos horarios "Time dimming"

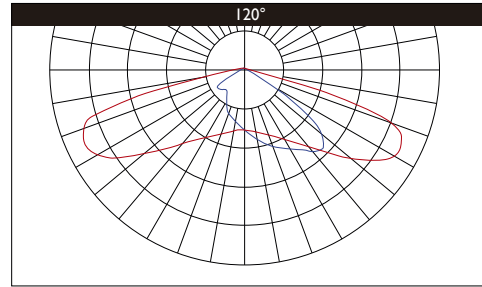


## SERIE AIO PARK

### DATOS FOTOMÉTRICOS

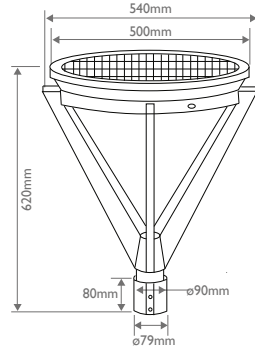


● Cd/180 ● C90/270

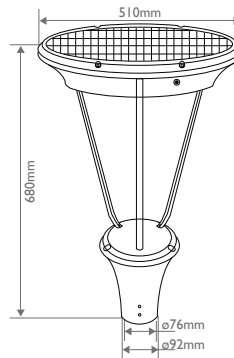


● Cd/180 ● C90/270

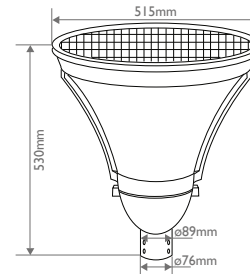
### DIMENSIONES



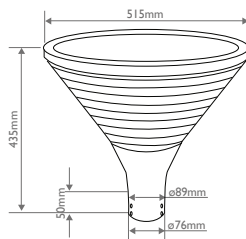
AIO ParkA



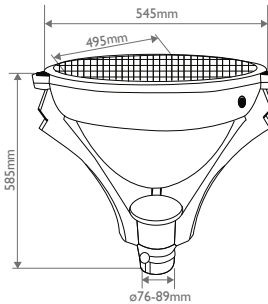
AIO ParkB



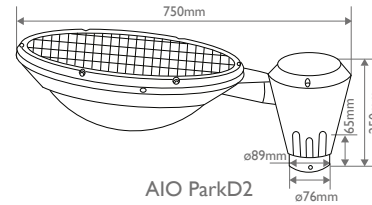
AIO ParkC



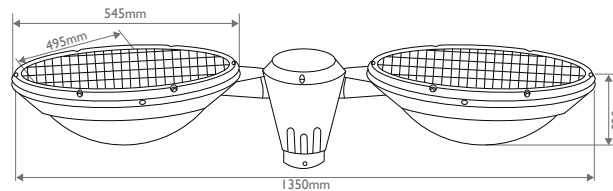
AIO ParkC2



AIO ParkDI



AIO ParkD2



AIO ParkD3

EL FUTURO ES AHORA



## DATOS TÉCNICOS SERIE AIO PARK™

| Referencia                      | NCL-AIPA   | NCL-AIPB                | NCL-AIPC1              | NCL-AIPC2              | NCL-AIPD1               | NCL-AIPD2               | NCL-AIPD3                |
|---------------------------------|--|-------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|
| Potencia                        | 20w/30w/<br>40w/50w  | 20w/30w/<br>40w/50w     | 20w/30w/<br>40w/50w    | 20w/30w/<br>40w/50w    | 20w/30w/<br>40w/50w     | 20w/30w/<br>40w/50w     | 20w/30w/<br>40w/50w      |
| Led                             | Philips Lumileds® / Tiandian   |                         |                        |                        |                         |                         |                          |
| Panel solar                     | Panel solar monocristalino NextCity Labs®                            |                         |                        |                        |                         |                         |                          |
| Potencia panel solar            | 18V 25W  | 18V 25W                 | 18V 25W                | 18V 25W                | 18V 25W                 | 18V 25W                 | 18V 25W*2                |
| Temperatura operativa           | -30°C a 60°C   |                         |                        |                        |                         |                         |                          |
| Intensidad luminosa (±5%)       | 2500 lm / 3700 lm /5000 lm / 6200 lm (10% mayor en D2/D3)            |                         |                        |                        |                         |                         |                          |
| Eficiencia luminosa (±5%)       | Hasta 130lm/W  |                         |                        |                        |                         |                         |                          |
| Batería Litio ferroso (LiFePO4) | 20w: 12.8V 12AH / 30w: 12.8V 18AH / 40w: 12.8V 22AH / 50w:12.8V 25AH |                         |                        |                        |                         |                         |                          |
| Tiempo carga                    | 20w: 6h / 30w: 7-8h / 40w:8-9h / 50w:9-10h                           |                         |                        |                        |                         |                         |                          |
| Duración batería                | 2-3 días*  |                         |                        |                        |                         |                         |                          |
| Dimming                         | Time Control   |                         |                        |                        |                         |                         |                          |
| CRI                             | >70 por defecto. (>80 >85 >90 bajo petición)                         |                         |                        |                        |                         |                         |                          |
| CCT                             | Desde 3000k hasta 5700k  |                         |                        |                        |                         |                         |                          |
| Nivel protección                | IP65 / IK08  |                         |                        |                        |                         |                         |                          |
| Óptica                          | 2M/120°  |                         |                        |                        |                         |                         |                          |
| Material                        | Carcasa: Aleación aluminio 6063. Lentes: PC                          |                         |                        |                        |                         |                         |                          |
| Peso luminaria                  | 8.2kg  | 8.5kg                   | 7.6kg                  | 7kg                    | 10.9kg                  | 11.2kg                  | 18.8kg                   |
| Embalaje                        | 570x570x660mm<br>10.1kg  | 570x570x750mm<br>11.2kg | 570x570x600mm<br>9.8kg | 570x570x530mm<br>8.8kg | 570x570x650mm<br>13.2kg | 770x580x400mm<br>12.6kg | 1370x570x380mm<br>22.8kg |
| Carga contenedor 20/40/HQ       | 128/272/320uds   | 120/240/240uds          | 140/300/320uds         | 160/320/340uds         | 128/288/320uds          | 165/330/ 360uds         | 96/192/192uds            |

\*2-3 días en función del porcentaje de intensidad usado en modo ahorro.

### CERTIFICACIONES



### OPCIONES



## BOLARDOS LED

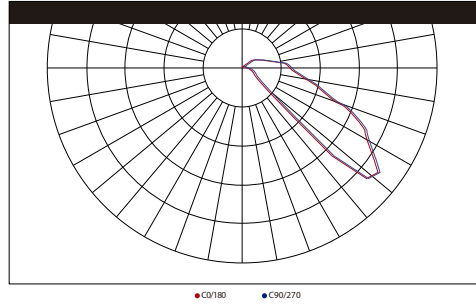


- Encendido y apagado automático mediante detección luz/oscuridad.
- Sin necesidad de electricidad. Máximo ahorro y sostenibilidad.
- IP65 e IK08.
- Sin instalaciones ni cableado.

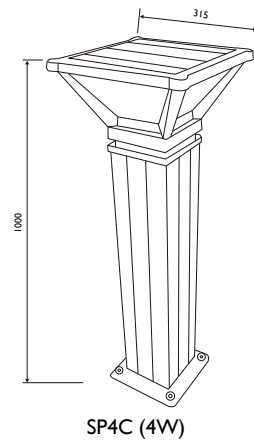
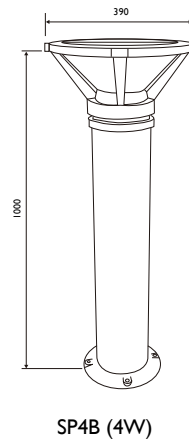
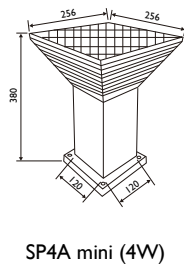
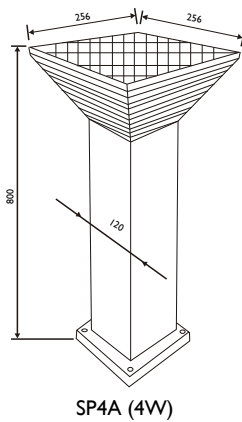
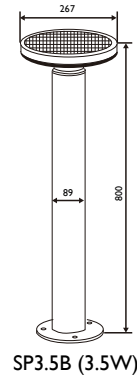
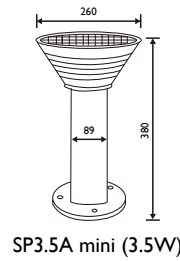
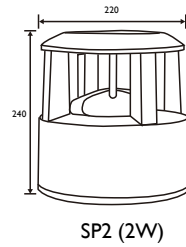
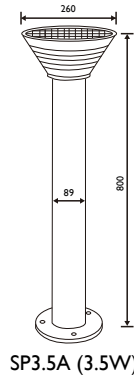


## SERIE SP

### DATOS FOTOMÉTRICOS



### DIMENSIONES



EL FUTURO ES AHORA



| DATOS TÉCNICOS SERIE SP™        |  |                     |                     |                     |                     |                     |                      |                      |
|---------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Referencia                      | NCL-SP2  | NCL-SP3.5A mini     | NCL-SP3.5A          | NCL-SP3.5B          | NCL-SP4A mini       | NCL-SP4A            | NCL-SP4B             | NCL-SP4C             |
| Potencia                        | 2W   | 3.5W                | 3.5W                | 3.5W                | 4W                  | 4W                  | 4W                   | 4W                   |
| Led                             | Philips Lumileds®/Tiandian®                    |                     |                     |                     |                     |                     |                      |                      |
| Panel solar                     | Panel solar monocristalino NextCity Labs®      |                     |                     |                     |                     |                     |                      |                      |
| Potencia panel solar            | 9V 3.5W  | 9V 5.5W             | 9V 5.5W             | 9V 5.5W             | 9V 7W               | 9V 7W               | 9V 7W                | 9V 7W                |
| Intensidad luminosa (±5%)       | 300lm  | 525lm               | 525lm               | 525lm               | 600lm               | 600lm               | 600lm                | 600lm                |
| Eficiencia luminosa (±5%)       | Hasta 150lm/W                                  |                     |                     |                     |                     |                     |                      |                      |
| Batería Litio Ferroso (LiFePO4) | 6.4V 5AH                                       | 6.4V 6AH            | 6.4V 6AH            | 6.4V 6AH            | 6.4V 6AH            | 6.4V 6AH            | 6.4V 6AH             | 6.4V 6AH             |
| Tiempo carga                    | 8h   | 6-7h                | 6-7h                | 6-7h                | 7h                  | 7h                  | 7h                   | 7h                   |
| Duración batería                | 2 días   |                     |                     |                     |                     |                     |                      |                      |
| Dimming                         | Time Control                                   |                     |                     |                     |                     |                     |                      |                      |
| CRI                             | >70 por defecto. (>80 >85 >90 bajo petición)   |                     |                     |                     |                     |                     |                      |                      |
| CCT                             | Desde 2700K hasta 6000K                        |                     |                     |                     |                     |                     |                      |                      |
| Nivel protección                | IP65/IK08                                      |                     |                     |                     |                     |                     |                      |                      |
| Óptica                          | 120°   |                     |                     |                     |                     |                     |                      |                      |
| Material                        | Carcasa: Aleación aluminio 6063. Disipador: PC |                     |                     |                     |                     |                     |                      |                      |
| Temperatura operativa           | -25°C a 55°C                                   |                     |                     |                     |                     |                     |                      |                      |
| Peso luminaria                  | 3.9Kg  | 1.8Kg               | 3.4Kg               | 5.3Kg               | 1.8Kg               | 3.4Kg               | 7.2Kg                | 7.1Kg                |
| Embalaje                        | 32x32x33cm<br>4.6Kg                            | 43x33x33cm<br>2.5Kg | 86x33x33cm<br>4.8Kg | 87x33x33cm<br>6.7Kg | 43x33x33cm<br>2.5Kg | 87x33x33cm<br>4.8Kg | 102x46x46cm<br>9.6Kg | 102x38x38cm<br>9.1Kg |
| Carga contenedor 20/40/HQ       | 830/1760/2000uds                               | 620/1300/1550uds    | 290/630/780uds      | 290/630/760uds      | 637/1320/1560uds    | 150/325/380uds      | 125/275/320uds       | 180/390/450uds       |

## CERTIFICACIONES



## PORTABLE POWER STATION HPS-AHL

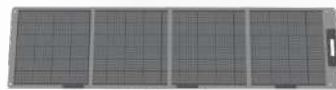


| Model                                    | HPS1022-AHL0210  | HPS1522-AHL0310 | HPS2522-AHL0610   | HPS1021-AHL0210  | HPS1521-AHL0310 | HPS2521-AHL0610   |
|--|--|-----------------|---|--|-----------------|---|
| <b>Utility Input</b>                     |  |                 |   |  |                 |   |
| Rated Voltage                            | 220VAC   |                 |   | 120VAC   |                 |   |
| Recommended Input Voltage                | 200VAC-240VAC  |                 |   | 90VAC-140VAC   |                 |   |
| Failure Voltage                          | 290VAC   |                 |   | ----   |                 |   |
| Utility Frequency                        | 50Hz/60Hz  |                 |   | 50Hz/60Hz  |                 |   |
| Max. Work Current (Charging plus Bypass) | 7A @220VAC   | 10A @220VAC     | 15A @220VAC   | 15A @120VAC  |                 |   |
| Switch Response Time                     | Switch Response Time-Utility to Inverter: ≤20ms<br>Switch Response Time-Inverter to Utility: ≤20ms |                 |   | Switch Response Time-Utility to Inverter: ≤20ms<br>Switch Response Time-Inverter to Utility: ≤20ms |                 |   |
| AC Input Overload Relay                  | HAVE   |                 |   |  |                 |   |
| <b>Inverter Output</b>                   |  |                 |   |  |                 |   |
| Rated Power (@25°C)                      | 1,000W   | 1,500W          | 2,500W  | 1,000W   | 1,500W          | 2,500W  |
| 4-second Transient Surge Output Power    | 1,800W   | 2,700W          | 4,500W  | 1,800W   | 2,700W          | 4,500W  |
| Output Voltage                           | 220VAC ± 3%  |                 |   | 120VAC ± 3%  |                 |   |
| Inverter Frequency                       | 50Hz/60Hz ± 0.2%   |                 |   | 60Hz/50Hz ± 0.2%   |                 |   |
| Output Voltage Waveform                  | Pure sine wave   |                 |   |  |                 |   |
| Output Voltage Harmonic Distortion Rate  | ≤ 3% (Resistive load)  |                 |   | ≤ 5% (Resistive load)  |                 |   |
| Output Gradual Start                     | Supported  |                 |   |  |                 |   |
| <b>Solar Controller</b>                  |  |                 |   |  |                 |   |
| Max. Input Withstand Voltage             | 95VDC @25°C  |                 |   |  |                 |   |
| Solar Controller Type                    | MPPT   |                 |   |  |                 |   |
| MPPT Max. Efficiency                     | ≥ 99.5%  |                 |   |  |                 |   |
| MPPT Voltage Range                       | 24VDC-76VDC  |                 |   |  |                 |   |
| MPPT Input Channels                      | One way  |                 |   |  |                 |   |
| Max. Charging Current                    | 20A  | 30A             | 60A   | 20A  | 30A             | 60A   |
| <b>Battery</b>                           |  |                 |   |  |                 |   |
| Battery Type                             | LFP8S2P  | LFP8S3P         | LFP8S1P   | LFP8S2P  | LFP8S3P         | LFP8S1P   |
| Battery Rated Capacity                   | 40Ah   | 60Ah            | 102Ah   | 40Ah   | 60Ah            | 102Ah   |
| Cell Dimension (mm)                      | Diameter: 40.0 ± 0.5/- 0<br>Height: 136.25 ± 0.5   |                 | Length: 160.0 ± 0.8<br>Height: 118.5 ± 0.5<br>Width: 50.1 ± 0.5 | Diameter: 40.0 ± 0.5/- 0<br>Height: 136.25 ± 0.5   |                 | Length: 160.0 ± 0.8<br>Height: 118.5 ± 0.5<br>Width: 50.1 ± 0.5 |
| Battery Rated Voltage                    | 25.6VDC  |                 |   |  |                 |   |
| Max. Continuous Charging Current         | 1C   |                 |   |  |                 |   |
| Max. Continuous Discharging Current      | 1.8C   | 1.8C            | 1C  | 1.8C   | 1.8C            | 1C  |
| Battery Work Voltage Range               | 21.0VDC-30.0VDC  |                 |   |  |                 |   |
| Battery Work Temperature Range           | Discharging Mode: -20°C to 50°C  |                 |   | Charging Mode: 0°C to 50°C   |                 |   |
| Cycle Times                              | 2,000 times  |                 | 5,000 times   | 2,000 times  |                 | 5,000 times   |
| <b>DC Output</b>                         |  |                 |   |  |                 |   |
| 12V DC Output (*2)                       | 12V= 2A, Max. 24W/port, Total 48W  |                 |   |  |                 |   |
| USB-A Output (*2)                        | 5V= 3A, Max. 15W/port, Total 30W   |                 |   |  |                 |   |
| USB-C Output (*1)                        | 5V= 3A, Max. 15W   |                 |   |  |                 |   |
| USB-C Output (*1)                        | 5/9/12/15V= 3A, 20V= 5A, Max. 100W   |                 |   |  |                 |   |
| DC Output Switch                         | HAVE   |                 |   |  |                 |   |
| <b>Others</b>                            |  |                 |   |  |                 |   |
| Work Temperature Range                   | -20°C to 50°C  |                 |   |  |                 |   |
| Enclosure                                | IP30   |                 |   |  |                 |   |
| Communication Method                     | Bluetooth, RS485 (WiFi optional)   |                 |   |  |                 |   |
| LCD                                      | Monochrome LCD, English interface  |                 |   |  |                 |   |
| Warranty                                 | Two years  |                 |   |  |                 |   |
| Dimension (L × W × H)(mm)                | 385 × 307 × 345  | 385 × 307 × 345 | 427 × 325.4 × 368   | 385 × 307 × 345  | 385 × 307 × 345 | 427 × 325.4 × 368   |
| Net Weight                               | 20.0kg   | 24.0kg          | 37.0kg  | 20.0kg   | 24.0kg          | 37.0kg  |

## PORTABLE POWER STATION ATZ 3600EU



### Multiple Charging Methods: Solar, Car Charging, Diesel Generator



**Solar Power Charging**  
Full Charge for Main Battery Pack: 1.7 Hours

1



3



**AC Charging**  
Full Charge for Main Battery Pack: 1.2 Hours



**Car Charging**  
Full Charge for Main Battery Pack: 17 Hours

2



4



**Solar Charging + AC Charging**  
Charge the Battery at the Max. Allowable Power  
Full Charge for Main Battery Pack: 1.2 Hours

## Technical parameters for main battery pack

| Product model                               | ATZ3600EU   |
|---|---|
| <b>AC input</b>                             |   |
| Rated AC input voltage                      | 230VAC  |
| AC voltage range                            | 200VAC~240VAC   |
| Breakdown voltage                           | 290VAC  |
| AC input frequency                          | 50Hz/60Hz   |
| Rated AC input power                        | 2300W   |
| Overload protection relay                   | Yes   |
| <b>DC input</b>                             |   |
| Max. withstand voltage at PV input terminal | 60VDC   |
| PV controller type                          | MPPT  |
| MPPT maximum efficiency                     | ≥99.5%  |
| MPPT voltage range                          | 11VDC ~ 60VDC   |
| Number of MPPTs                             | 1   |
| Max. PV charging current                    | 20A   |
| Max. DC input power                         | 1200W   |
| Car charging                                | 12VDC/10A   |
| <b>AC output</b>                            |   |
| Rated output power (@25°C)                  | 3600W (2300W in bypass mode)                              |
| 3-second transient surge output power       | 5400W   |
| Output voltage level                        | 230VAC±3%   |
| Output frequency level                      | It is 50 Hz in default, can be set to 60 Hz, error ± 0.2% |
| Output voltage waveform                     | Pure sine wave  |
| Output voltage harmonic distortion          | ≤3%   |
| <b>DC output</b>                            |   |
| USB-A output                                | 5VDC/3A*2   |
| USB-C output                                | 5VDC/3A   |
| USB-C PD output                             | PD 100W * 2   |
| Cigarette lighter output                    | 12VDC/10A*2   |

| Product model                               | ATZ3600EU   |
|---|---|
| <b>Battery</b>                              |   |
| Battery type                                | Lithium iron phosphate  |
| Rated voltage                               | 51.2VDC   |
| Range of operating voltage                  | 40.0VDC ~ 58.4VDC   |
| Range of operating temperature              | Discharging: -20°C ~ 50°C; Charging: 0°C ~ 50°C   |
| Nominal capacity                            | 2048Wh  |
| <b>Charging time</b>                        |   |
| AC charging                                 | 1.2 hours   |
| Car charging                                | 17 hours  |
| Solar charging (1200W input power)          | 1.7 hours   |
| AC charging plus maximum PV charging        | 1.2 hours   |
| <b>Others</b>                               |   |
| Charging environment temperature            | 0°C ~ 40°C  |
| Discharging environment temperature         | -20°C ~ 40°C  |
| Recommended working environment temperature | 20°C ~ 35°C   |
| Storage environment temperature             | 1 month: -10°C ~ 50°C; 3 months: -10°C ~ 45°C; 6 months: -10°C ~ 30°C                         |
| Relative humidity                           | < 80%   |
| Altitude                                    | < 4000 meters   |
| Protection degree                           | IP20  |
| Communication mode                          | Bluetooth   |
| Man-machine interface                       | Monochrome LCD, English interface   |
| External dimensions (L*W*H)                 | 456x290x391mm (without secondary battery pack)<br>456x290x537mm (with secondary battery pack) |
| Net weight                                  | 29.0kg (without secondary battery pack)<br>44.5kg (with secondary battery pack)               |

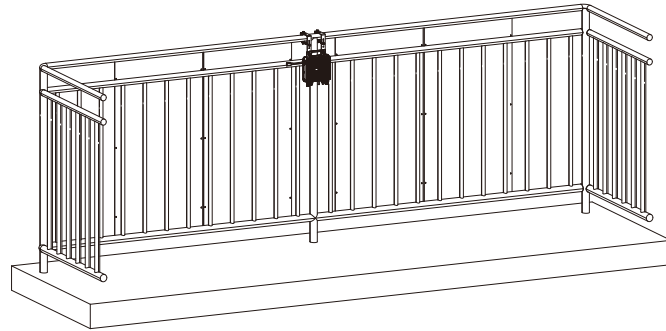


## Certificates



## | FLEXIBLE ANGLE

According to different installation environments and requirements, the angle of the bracket can be adjusted to obtain the maximum power generation.



## | ONE STOP DESIGN

The system integrates with solar panels, inverters and cables. Portable and foldable for various applications.

## | EASY HANDLING

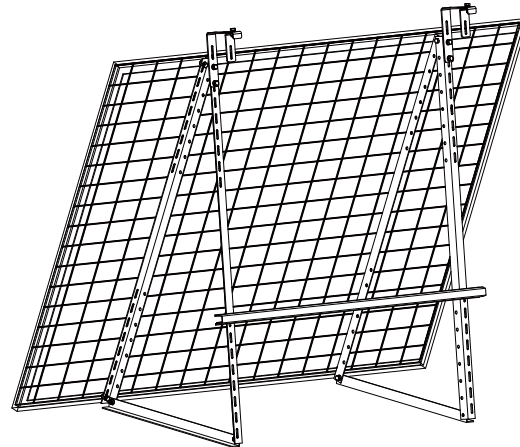
Compact and small sized be transported

## | SIMPLE INSTALLATION

Plug & play connection, no requirement for professional installation, saving installation costs.

## | GUARANTEED QUALITY

Under one system of SUNOVA SOLAR warranty  
Micro inverter 12 years warranty;  
Solar panels 15 years.



# ALL-IN-ONE BALCONY SOLAR KIT

## CRYSTALLINE SILICON MODULE

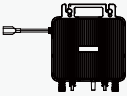

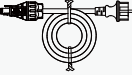

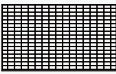


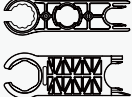

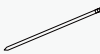
### TECHNICAL DATA

#### BPM-S0.8P0.8T1

|                                |  |                     |
|--------------------------------|--|---------------------|
| Microinverter                  | Microinverter Model  | MH-MCIV0.8-SN       |
|                                | Max Input Power [W]  | 800                 |
|                                | MPPT Voltage Range [Vdc]   | 32-45               |
|                                | Number of MPPT   | 2                   |
|                                | Max DC Input Current [A]   | 14/14               |
|                                | Max Short Circuit Current [A]  | 25/25               |
|                                | Nominal Output Power [W]   | 800                 |
|                                | Max Output Current [A]   | 3.5                 |
|                                | Nominal Output Current [A]   | 3.5                 |
|                                | Grid Voltage Range [Vdc]   | 187-253             |
|                                | Nominal Grid Frequency [Hz]  | 50/60               |
|                                | Max MPPT Efficiency [%]  | 99.8                |
|                                | Enclosure Environmental Rating   | IP67                |
| Safety, EMC & Grid Compliances | IEC 62109-1/-2; IEC 62109-3; EN 61000-1/-2/-3/-4; CE-RED; EN 50549-1/-10; VDE-AR-N 4105; 2016/631 EU (NC RfG), PSE 2018-12-18; |                     |
| Warranty                       | 10 Years   |                     |
| Module                         | Module Model   | SS-BG425-54MDH(T)   |
|                                | Nominal Module Output [W]  | 425                 |
|                                | Module Dimensions [L*W*H]  | 1722 × 1134 × 30 mm |
|                                | Module Weight [Kg]   | 24.2                |
| Accessory                      | Mounting Bracket   | Included            |
|                                | AC Cable Length [m]  | 1*5                 |
|                                | AC Cable Cordial Area [mm <sup>2</sup> ]   | 1                   |
|                                | PV Cable Extension Length [m]  | 2*1                 |
|                                | PVCable Cordial Area [mm <sup>2</sup> ]  | 4                   |

### STANDARD CONFIGURATION

#### PACKING LIST

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| 1 microinverter   | 1 M4x8 ground screw   | 1*5m-long AC cable (cordial area 1mm <sup>2</sup> )                                 | 1 user manual  | 2 crystallinesilicon PV rmodules  |
|  |  |  |  |  |
| 2 sets of PV brackets (referto 4.3.1 for details)                                   | 2*1m PV extension cables (4mm <sup>2</sup> )  | 1 PV/AC unlocking tool  | 2 open-end wrenches (10&13mm)  | Nylon tie   |

## FLEXIBLE MODULE

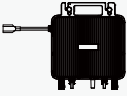

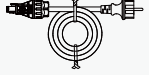



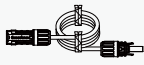
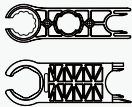



### TECHNICAL DATA

#### BPM-S0.8P0.8T2

|               |   |  |          |
|---------------|---|--|----------|
| Microinverter | Microinverter Model                     | MH-MCIV0.8-SN  |          |
|               | Max Input Power [W]                     | 800  |          |
|               | MPPT Voltage Range [Vdc]                | 32-45  |          |
|               | Number of MPPT                          | 2  |          |
|               | Max DC Input Current [A]                | 14/14  |          |
|               | Max Short Circuit Current [A]           | 25/25  |          |
|               | Nominal Output Power [W]                | 800  |          |
|               | Max Output Current [A]                  | 3.5  |          |
|               | Nominal Output Current [A]              | 3.5  |          |
|               | Grid Voltage Range [Vdc]                | 187-253  |          |
| Module        | Nominal Module Output [W]               | 200  |          |
|               | Module Dimensions [L*W*H]               | 1447 × 790 × 3 mm  |          |
|               | Module Weight [Kg]                      | 4.3  |          |
|               | Accessory                               | Mounting Bracket   | Included |
|               |   | AC Cable Length [m]  | 1*5      |
|               |   | AC Cable Cordial Area [mm <sup>2</sup> ]   | 1        |
|               |   | PV Cable Extension Length [m]  | 2*1      |
|               | PVCable Cordial Area [mm <sup>2</sup> ] | 4  |          |
|               | Safety, EMC & Grid Compliances          | IEC 62109-1/-2; IEC 62109-3; EN 61000-1/-2/-3/-4; CE-RED; EN 50549-1/-10; VDE-AR-N 4105; 2016/631 EU (NC RfG); PSE 2018-12-18; |          |
|               | Warranty                                | 10 Years   |          |

### STANDARD CONFIGURATION

#### PACKING LIST

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| 1 microinverter   | 1 M4x8 ground screw   | 1*5m-long AC cable (cordial area 1mm <sup>2</sup> )                                 | 1 user manual   | 4 flexible PV modules   | 1 hook assembly   |
|  |  |  |  |  |   |
| 2*1m PV extension cables (4mm <sup>2</sup> )  | 1 PV/AC unlocking tool  | Open-end wrench (10&13mm)   | Metal tie   | Foam  |   |



## Smart Power 400w

Ultra-Light Portable Solar Panel

### Great Solar Input

Charge faster with a strong 400W solar input

Up to a 23% conversion rate

### Lighter in Weight

35% lighter in weight compared to other portable solar panels

### Waterproof & Reliable Quality

IP68 waterproof rating

Resistant to bending, impact, and drops, ensuring reliable quality



**CALACOM**

Caribbean & Latin American Trade Company

