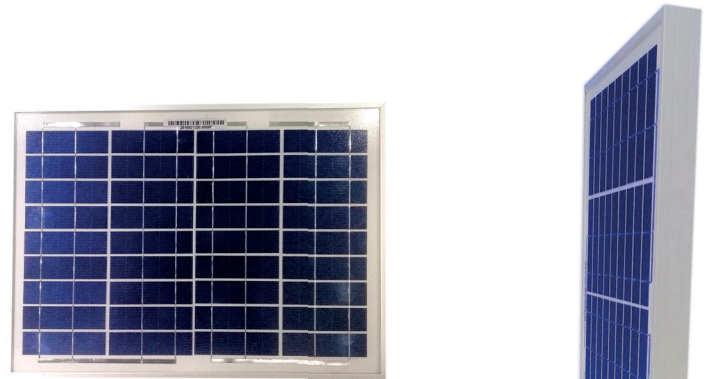


# SOLAR PANEL 10 W

## Datos técnicos

### Technical data

|                                       |                     |
|---------------------------------------|---------------------|
| Potencia nominal Pmax (W)             | 10                  |
| Nominal Power Pmax (W)                |                     |
| Tolerancia (%)                        | +3%                 |
| Tolerance (%)                         |                     |
| Tipo de célula                        | Policristalina      |
| Kind of cell                          | Polycrystalline     |
| Células por módulo                    | 4 x 9=36            |
| Cells per module                      |                     |
| Eficiencia de conversión              | 18,10%              |
| Conversion efficiency                 |                     |
| Tensión máx. potencia Mpp Vmp (V)     | 18,1 V              |
| Voltage Mpp Vmp (V)                   |                     |
| Corriente máx. potencia Mpp Imp (A)   | 0,56 A              |
| Current Mpp Imp (A)                   |                     |
| Tensión circuito abierto Voc (V)      | 22,2 V              |
| Voltage open circuit Voc (V)          |                     |
| Corriente cortocircuito Isc (A)       | 0,58 A              |
| Short circuit current Isc (A)         |                     |
| NOCT (C)                              | 47°C                |
| Máximo voltaje del sistema (V)        | 600 V               |
| Max system voltage (V)                |                     |
| Tipo de marco                         | Alu                 |
| Kind of frame                         |                     |
| Tipo de cristal y espesor (mm)        | 3,2                 |
| Kind of glass and thickness (in)      | 0.12                |
| Número de diodos                      | 1                   |
| Number of diods                       |                     |
| Tipo de diodos                        | Diodo de derivación |
| Type of diods                         | Bypass Diode        |
| Coef. de temp. de corriente Iso mA/°C | (0.065±0.01)%/ °C   |
| Temp. coefficient current Iso mA/°C   |                     |
| Coef. de temp. de voltaje Voc mV/°C   | -(0.40±0.05)%/ °C   |
| Temp. coefficient voltage Voc mV/°C   |                     |
| Coef. de temp. de potencia Pmax/°C    | -(0.5±0.05)%/ °C    |
| Temp. coefficient power Pmax/°C       |                     |



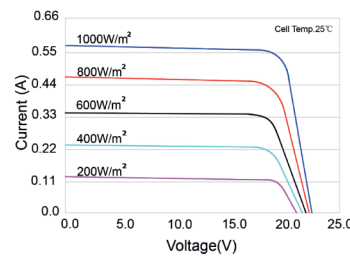
## Dimensiones y peso

|                         |       |
|-------------------------|-------|
| Longitud (mm)           | 354   |
| Length (in)             | 13.93 |
| Anchura (mm)            | 226   |
| Width (in)              | 8.89  |
| Espesor (sin caja) (mm) | 25    |
| Thickness (in)          | 0.98  |
| Peso (kg)               | 1,02  |
| Net weight (Lb)         | 2.24  |

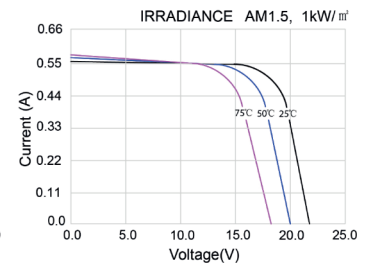
## Embalaje

|                                    |                 |
|------------------------------------|-----------------|
| Unidades por embalaje              | 10 uds./pcs     |
| Units per carton                   |                 |
| Unidades por contenedor (20")      | 10.000 uds./pcs |
| Packing in container (20 ft)       |                 |
| Unidades por contenedor (40")      | 22.500 uds./pcs |
| Packing in container (40 ft)       |                 |
| Unidades por contenedor (40" H.C.) | 27.000 uds./pcs |
| Packing in container (40 ft H.C.)  |                 |

Curvas I-V del módulo PV ESF-10PC  
I-V Curves of PV module ESF-10PC



Curvas I-V del módulo PV ESF-10PC a varias temperaturas de celda  
I-V Curves of PV module ESF-10PC at various cell temperatures



Dimensiones - Dimensions  
ESF-10PC

