

## 12 kW Solar power plant set, roof covering - roofing tile



**Product code:** F6VLP-SE-CERPES-12KW

**Category:** Solar power plants > Solar power plant kits

**PRICE : €7,312.62**

### About the product

**Height, mm:** 1722

**Width, mm:** 1134

**Depth, mm:** 30

### Description

The solar power plant set with 12kW three-phase inverter Solis, Jinko Solar modules and elements for attaching them to the pitched roof.

The set includes 28 solar modules, Solis inverter, its communication adapter and fixings which are suitable for a roof covered with roofing tiles. 10-year warranty for the inverter for good measure.

The price does not include additional materials used in the installation and commissioning of the power plant, grounding, certified installer/starter's declaration and other necessary documents for connecting the power plant to the power grid.

#### The specificities of solar modules Jinko Tiger Neo N-Type 420W:

- Monocrystalline solar module Jinko Tiger N-Type Mono Facial 54HC
- N-type monotechnology
- Positive power tolerance 0~+3%
- Multi-trunk chamber
- High efficiency reaching 21.51%.
- 15-year product warranty.
- 30-year efficiency guarantee, which guarantees that after 30 years the module will work with at least 87.4% efficiency.
- Size of the module: 1722\*1134\*30 mm
- Weight of the module: 22.0 kg.
- Module frame in anodized aluminum.
- Module protection class IP68
- Connecting cables: TUV 1\*4.0 mm2, (+) 400 mm; (-) 200 mm

#### Features of Solis S5 12kW inverter:

- EU efficiency up to 98%
- Wide voltage range and low starting voltage limit
- Smart management
- Multiple levels of protection
- Easy to install and maintain

#### Technical specifications:

- Maximum generated solar power: 18 kW
- Maximum input voltage: 1100V
- Nominal voltage: 600V
- Starting voltage: 180V
- MPPT ring voltage range: 160 - 1000 V
- Maximum input current: 32 A / 32 A
- Maximum short-circuit current: 50 A / 50 A
- Number of MPPT rings: 2
- Rated output power: 12 kW
- Maximum conditional output power: 13,2 kVA
- Maximum output power: 13,2 kW
- Rated voltage of the power network: 3/N/PE, 220V/380V / 230V/400V
- Nominal frequency of the power network: 50 Hz / 60 Hz
- Rated current of the power network: 18,2 A/17,3 A
- Maximum rated current of the power network: 19,1 A
- Maximum efficiency (EU): 98 %
- DC current polarity reversal protection: Yes
- Short circuit protection: Yes
- Output overcurrent protection: Yes
- Network monitoring: Yes
- Temperature protection: Yes
- Integrated DC switch: Yes
- Topology: Without transformers
- Power consumption of the device: < 1 W
- Device operating temperature: -25 - +60 °C
- Humidity range of device operation: 0 - 100%
- Protection class: IP66
- Cooling: Natural convection
- Safety standards: IEC 62109-1/-2, IEC62116, EN 61000-6-1/-2/-3/-4
- DC interface: MC4
- AC interface: Terminal interface
- Screen: LCD
- Information transmission: RS485; Wifi/GPRS as additional function