



# Solar Street Lamps EnSole



**ENSTORE**  
INDEPENDENT ENERGY SYSTEMS



High-quality batteries together with a sophisticated control system assure that the EnSole street lamps have sufficient energy for continuous lighting even in bad weather and in periods of short sunlight.



EnSole solar street lamps are a European product.

They are developed and produced in the Czech Republic (EU).

EnSole solar street lamps have been reliably used for lighting in numerous regions of Europe, America and Africa.

EnSole solar street lamps fully comply with the EU standards and quality parameters.

**The lifespan of EnSole solar lamps is at least 25 years, including batteries.**

The 5-year warranty covers the complete product, including the battery.

The mechanical component parts of EnSole solar street lamps are designed to maintain a long lifespan under difficult operating conditions. The installation of EnSole solar street lamps is easy and safe.

All EnSole solar street lamps are equipped with electronics for biodynamic lighting control (the lamp shines with a white light of 4.000 K in the evening and in the morning, and it shines with a yellow/orange light of 1.850 K without the blue component at night) and motion sensors (the lamp changes its intensity in relation to the ongoing operation).

It is possible to choose from five summer and five winter pre-set operating modes for lighting regulation.

The setting and changes of lighting parameters as well as continuous monitoring of all operating values may be done remotely via GSM using the card slot or chip installed in the lamp, or in the vicinity of the lamp via Bluetooth.

EnSole solar street lamps may be supplemented with additional services (camera system, mobile phone charging etc.).



# EnSole solar street lamps are produced in two model lines:

## EnSole Classic

EnSole Hexagon **ON THE NEXT PAGE**

### EnSole Classic 720-160

### EnSole Classic 1024-250

Multi-crystalline solar panel 160Wp/18V.

Biodynamic LED light for street lamps 30 W; luminous flux range up to 115 lm/W at 4.000 K and 98 lm/W at 1.850 K; material of the housing: high-pressure die-cast aluminum body; optics cover: UV-stabilized polycarbonate.

Box with the control unit and the 720 Wh battery.

Mounting construction for the panel made of galvanized steel, bearing a capacity of 70 kg, with variable rotation. (the total weight of the box with batteries, panel and the mounting steel construction is 42 kg).

Pole 6 m high; the outer diameter on the top of the pole is 89 mm including the nuts.

Multicrystalline solar panel 250Wp/30V.

Biodynamic LED light for street lamps 30 W; luminous flux range up to 115 lm/W at 4.000 K and 98 lm/W at 1.850 K; material of the housing: high-pressure die-cast aluminum body; optics cover: UV-stabilized polycarbonate.

Box with the control unit and the 1024 Wh battery.

Mounting construction for the panel made of galvanized steel, bearing a capacity of 70 kg, with variable rotation.

Pole 6 m high; the outer diameter on the top of the pole is 89 mm including the nuts.

## EnSole Classic

TRADITIONAL MODEL OF SOLAR LAMPS WITH HIGH RESISTANCE, LONG LIFE AND A WIDE RANGE OF USE.

# CLASSIC



# EnSole Hexagon

## EnSole Hexagon 720-150

## EnSole Hexagon 720-300

Biodynamic LED light for street lamps 30 W; luminous flux range up to 115 lm/W at 4.000 K and 98 lm/W at 1.850 K; material of the housing: high-pressure die-cast aluminum body; optics cover: UV-stabilized polycarbonate.

Biodynamic LED light for street lamps 30 W; luminous flux range up to 115 lm/W at 4.000 K and 98 lm/W at 1.850 K; material of the housing: high-pressure die-cast aluminum body; optics cover: UV-stabilized polycarbonate.

Hexagonal body tube made of stainless steel with 3 solar panels (150 Wp in total), 720 Wh battery and control unit (total weight of the body tube is 42 kg).

Hexagonal body tube made of stainless steel with 3 solar panels (300 Wp in total), 720 Wh battery and control unit (total weight of the body tube is 42 kg).

Pole 6 m high.

Pole 6 m high.



# EnSole Hexagon



A DESIGN MODEL THAT FITS IN WELL IN PLACES WITH ABOVE-STANDARD ESTHETIC DEMANDS. IT FEATURES A HIGH LEVEL OF SOLAR ENERGY USE (DIFFUSION), EVEN IN DEMANDING CLIMATE ZONES (SNOW, DUST), EASY INSTALLATION AND A LONG LIFE.

# HEXAGON

# Both model lines of EnSole solar lamps are supplied by the manufacturer alternatively as

## sets of electronic components **EnSole-Components**

which include the complete solution of the electronic part of the solar lamp for solar energy supply and operational control of the lamp.

EnSole-Components sets are convenient as they minimize the costs for remote transport and offer the option to use the local lamps and poles.



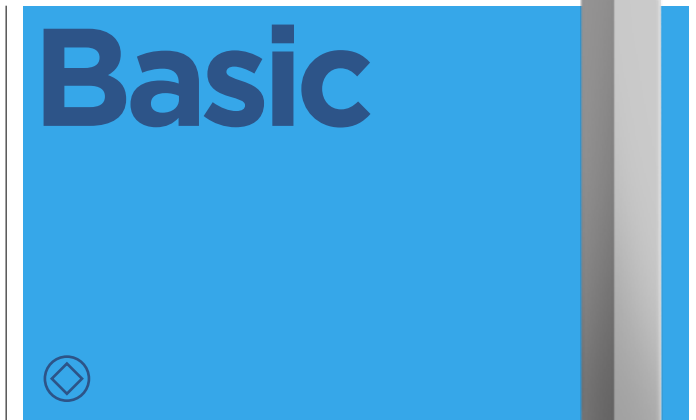
### **EnSole-Components Classic**

These sets which equip a classic solar lamp contain the box with the control unit and battery and the solar panel with the mounting construction. They do not include the light or the pole.



### **EnSole-Components Hexagon**

These sets contain a hexagonal body tube with the solar panels, control unit and the battery. They do not include the light or the pole.



### **EnSole-Components Basic**

The aluminum container that is inserted inside the pole during installation of the solar lamp includes the control unit and the battery. The set does not contain the solar panel with the mounting construction, light or the pole.

The EnSole-Components sets may be combined with most of the LED lights up to 50 W.  
It is necessary to check the compatibility of the light with the set manufacturer in advance.

The EnSole-Components sets may be mounted to poles which are 4 m to 12 m high and which are technically and statically compatible.

The manufacturer provides training and certification for partner installation companies.



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