



Istar Solar® Jupiter™ streetlight is a very efficient and autonomous system used to light roads, crossings, car parkings, gardens and many other places where the electric grid is missing or where people don't want to execute trench works, excavations, and installation of cables, etc.

During the day the photovoltaic modules produce electric power which is stored in the batteries. At sunset this energy is used to switch on the SOX lamp, that lights the area for a minimum 8-10 hours/night.

Thanks to a night-light device built into the **programming solar equipment**, the lamp is automatically switched on at sunset and switched off at sunrise.

This night-light function gives also the possibility to set the switch on and off of the lamp according to the customer's needs.

The programming solar equipment (electronic converter + charge controller with night-light function) has been properly designed for PV streetlight systems and has all the main functions needed to the proper use of the streetlight: charge controller, "special" timer to switch on and off lamp, temperature compensation. All these functions are into just one intelligent converter, and make this system highly easy and efficient, thus avoiding to add a lot of components into this system.

Istar Solar® Jupiter™ streetlight is very easy to install and it's completely independent of the grid increases its "efficiency" in case of black-out.

Its long-life is due both to the high quality of the components used in this system, but to the lack of maintenance works too.

The **Die-Cast** fixture made up of an aluminum reflector of high purity, is complete of 1 Sox bulb yellow light 18 or 26W with luminous flow of 1800 and 3700 lumen respectively.

Jupiter™ streetlights are available in the following versions:

Jupiter™ 18:

- 1 PV Module 75 or 90Wp - 12V
- 1 Programming Solar Equipment
- 1 Die-Cast lighting fixture, complete of 1 Sox bulb 18W - 1800 lumen

Jupiter™ 26:

- 1 PV Module 150 or 180Wp - 12V
- 1 Programming Solar Equipment
- 1 Die-Cast lighting fixture, complete of 1 Sox bulb 26W - 3700 lumen

We suggest to use the following **Batteries**:

Jupiter™ 18: nr.1 lead acid dry battery 110Ah

Jupiter™ 26: nr.2 lead acid dry batteries 110Ah/each



The **Top-of-Pole** mount **KIT** is available on request and this structure is composed of a stainless steel box to contain batteries and electronic equipment, supporting structures on which install the modules and a lamp bracket.

This kit is a good solution in case people don't want to put batteries underground and also to avoid the theft of components.

Electrical specifications and technical data

SOX Lamps 18 o 26 W	Low pressure sodium vapour
Luminous flow	Lm 1800(18W) / 3700(26W)
SOX bulb lifespan	hrs 8000
Typical install. from ground	mt 6-7
Diameter of light cone	mt 20
Temperature range	°C da -20 a +60



Istar Solar® reserves the right to change the features of product without notice