



GPI Solar Park- and Streetlamps

Each night 12 hours light! 10 years warranty on post and solar panel. Corrosion and weather-proof. Low transportation and installation costs due to the light weight. Guarantees 3 nights light also without sufficient sunlight exposure.

GPI Street lamp 3/2B

12 hours self-sufficient solar lamp.

- * Lamp post made from glass-fiber reinforced plastic (GRP):
 - 3" outside diameter
 - corrosion resistant against all chemicals occurring in air and soil as well as aggressive gases and liquids: 10 years warranty!
 - post height 3.5 m, including the mounting plate for the solar panels.
 - lamp height 3.0 m
- * 2 GRP arms and luminaires with clear globes (light spot height approx.. 3 m).
- * 2 energy saving lightbulbs with 11 W each
- * Waterproof control box / battery box in the foot of the lamp
 - (rectangular approx. 400*400*400 mm, or round with approx.. 400 mm in diameter)
- * horizontal and vertical adjustable module mounting plate
- * 2 quality - solar modules 40W/12Volt - 10 years warranty!
- * battery charge regulator "Stecka" (made in Germany), with
 - protection against deep discharging of battery.
 - dusk to dawn sensor
 - two programmable switch on and off times, 2 x 6h or 1 x 12h
- * maintenance-free seal lead acid battery 12V/100Ah.
 - guarantees 3 nights light even if the sun exposure during the day would not be sufficient for recharging.
- * With ready-made "plug-and-play" cable-set. That means easy assembly by simply plugging the cables together.
- * With detailed assembly instructions and manual
- * Available as options are movement detectors and additional time switches

GPI Street lamp 5/1B

12 hours self-sufficient solar lamp.

- * Lamp post from glass-fiber reinforced plastic (GRP):
 - 3" outside diameter
 - post length 5.5 m, including the mounting plate for the solar panels.
 - lamp height 5.0 m
- * 1 GRP arm and luminaire with a clear globe (light spot height approx. 5 m).
- * One 23 W energy saving lightbulb
- * With folding technology in the foot of the lamp - the complete lamp can be simply folded down. Maintenance at the solar module and the lamp is possible without lifting platform or ladder.

Siam Green Power International Co. Ltd. provides Solar Power Systems for private homes and industries. We offer Design, Project Management, Installation and Maintenance of Solar Power Systems. Our systems are mainly produced in Thailand based on German Technology.



Technical information

The lamp post is made from glass-fiber reinforced plastic (GRP). It offers a multiplicity of **qualitative advantages** regarding construction as well as **economic** deployment:

- Post heights of 2.5 m - 6 m are available in one piece, other heights on request
- The post surface is **perfectly smooth** and homogeneous
- The post is surrounded by a **weather-proof** 0.5 mm thick polyester fleece hard layer
- The material is **corrosion resistant** against all chemicals in air and soil as well as aggressive gases and liquids
- A slim and **aesthetical** shape!
- The standard color of post and arms is black (matte). Also available in many **attractive RAL colors**
- Low transportation and installation costs due to **light weight**
- The material is only with difficulty inflammable
- **Environment friendly** production due to small energy consumption
- High mechanical and dynamical **strength**
- Damages at the post are repairable with putty, and paintable
- Despite of the light weight **resistant** to extreme wind loads

Production

The GRP lamp posts are manufactured using a **patented** centrifugal procedure.

The high-tensile glass fiber reinforcing is computed and aligned according to the later load.

In the production process large centrifugal

energy is used to **optimally** consolidate the material.

Security

The static computation of the posts is done according to **DIN 1055** or based on the special conditions at the place of assembly (wind loads). The safety factors are generous.

The dynamic firmness of the material is very good due to the **high elasticity** and strong vibration damping.

Design

The lamp is designed after the **ornate** Italian **Valencia** style road lamps. Alternatively it is available also in a modern plain pipe Design.

For orders of more than 1000 lamps you can choose **your own design**. Only if such a design would increase the material employment the price is to be adapted.

Warranty

Due to the high quality of the components used the GPI solar lamps have an unusually **long guarantee** period:

- * regulators/dimmers/starters 2 years
- * Battery 2 years
- * energy-saving lightbulb 1 year
- * solar panel **10 years** warranty
- * GRP pole **10 years** warranty

Special Options

For orders with a volume of more than 1000 lamps GPI sends a team of 2 men **onsite** for 2 days, **free** of charge, for **training** and briefing in installation and maintenance.