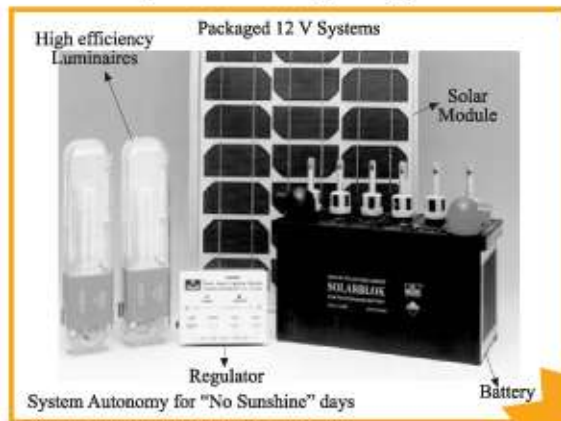


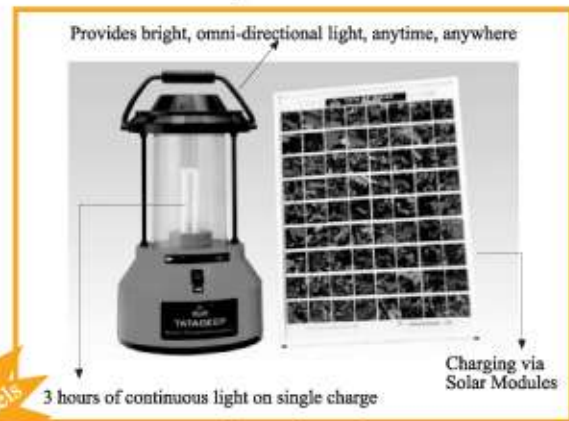
4 exciting ways to let the Sun brighten your world even at night! Solar Powered Lighting Systems from Tata BP Solar

Whether you are at home, driving down the road, taking a stroll in the garden or out trekking... let the sun brighten your surroundings, long after it has set! Plug into the endless energy of the sun for reliable lighting and enjoy valuable savings on your electricity bills every month. Thousands of customers across India and the world have already chosen the smarter way to light up their lives. Isn't it time you did too?

Jugnu Home Lighting Kit

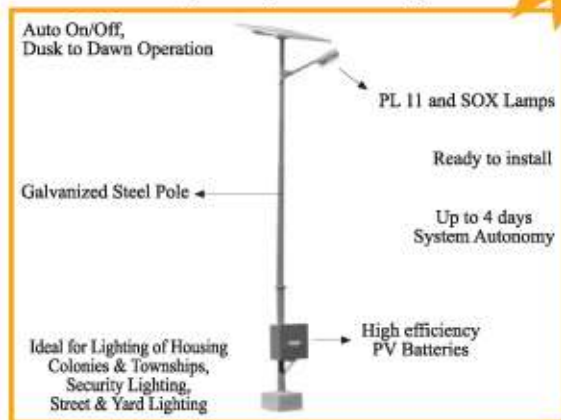


Tatadeep Solar Lantern

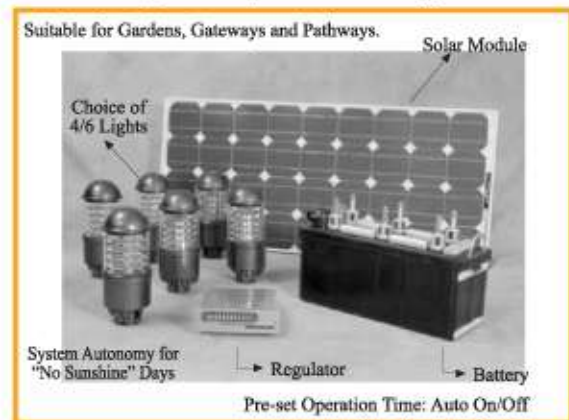


MNES
Approved Models

Margadeep Street Light



Udyandeep Garden Lights



Solar Powered Lighting Systems from Tata BP Solar – A 100% Solar Company!

A pioneering, customer-centric organization, Tata BP Solar – India's largest Solar Company, constantly designs and develops innovative products that are best suited to your needs. These high quality, value-for-money products are backed by excellent nationwide sales and service support.



TATA BP SOLAR INDIA LIMITED



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Due to continuous development and product improvement, the Company reserves the right to change/alter the specifications

Everything you wanted to know about Solar Power!

Q: What is Solar Power?

A: Solar Power is the energy of the sun, converted into eco-friendly electricity, which can then meet your daily 'power' requirements.

Q: How do you convert Sunlight into Electricity?

A: Sunlight is converted into Direct Current (DC) Electricity by a Solar Module. The electricity produced by the Solar Module is suitable for charging 12 Volt Batteries.

Q: What is a Solar Module made of?

A: A Solar Module is made of silicon cells, connected electrically. These are placed between layers of protective material. This "sandwich" is then heat laminated to a protective glass sheet. An anodized aluminium frame surrounds this glass. Solar Modules come in various power ratings, which is measured in watts. Tata BP Solar has a comprehensive range of Solar Modules from 2 Watts right up to 160 Watts! These are manufactured to international standards and approved by MNES and other reputed Agencies/Departments.

Q: What is a Solar System?

A: A basic Solar System comprises the following:

- A Solar Module to convert sunlight into DC Electricity
- A Battery where the Electricity is stored and then used to power your DC Lights and Appliances
- A Regulator to control the amount of charge going into the Battery from the Solar Module and also to prevent the Battery from overcharging.
- Your Load – which is the typical electricity demand of all your lights, fans, etc. The load is measured in kilowatt hours per day or ampere hours per day.

Tata BP Solar helps you calculate this load. With this information and along with details of your average daily usage, Tata BP Solar can recommend the most appropriate solar system for you.

Q: Are the batteries used in a Solar System different from regular batteries? Can I use car batteries instead?

A: No. Car batteries are not suitable. Only batteries designed for repeated cycling (the partial discharge of a battery and then recharging it to full charge) are suitable for use in a Solar System. Cycling, in a Solar System, occurs during nights, when the battery is discharged without any solar charge getting into it. During the day, the solar modules charge the batteries again.

Q: Do I need special cables for a Solar System?

A: Yes, you need cables of larger diameter than the standard cable. These are useful in avoiding voltage drops. Tata BP Solar can advise you on the same. Some systems, like the Jugnu MiniLite Kit, Tatadeep Solar Lantern, Margadeep Street Lighting and Udyandeep Garden Lights come complete with cables and accessories.

Q: Can I use a Solar System for both DC and AC Appliances?

A: Yes, Solar Systems are very versatile and can be designed for both DC and AC Appliances. You also have the option of converting them at a later date.

Q: Can I expand my Solar System at a later date?

A: You definitely can. Solar Systems from Tata BP Solar are designed to grow with your needs. You will simply have to add additional Solar Modules and Batteries as required. In some cases, a larger Regulator may be needed. But the good news is that the Regulator is the cheapest component in the whole system.

Q: What does a typical Solar System cost?

A: As each Solar System is individually calculated for specific requirements, the cost would vary depending upon the number of Solar Modules and Batteries needed. These can be worked out. Rest assured that Solar Systems from Tata BP Solar provide you the best value for your money.

Q: What are the advantages of using Solar Power?

A: Increasingly, the world over, people are making a transition from conventional energy sources to Solar Power because they find it is more efficient, more economical and much, much more environment-friendly. Solar Power is as reliable as the Sun: no power cuts, no black outs, no voltage fluctuations.

It pays for itself in the long run. After the initial one-time investment on the Solar System, the power is free! In fact, the savings on your electricity bills will ensure that your initial investment on the Solar System is recovered in a few years. What's more, you need have no worries about rising power tariffs and their effect on your monthly budget.

Solar Power is 100% safe and 100% pollution-free. Conventional energy sources have done irreparable damage to our environment. Global warming is one of the greatest threats facing humanity and conventional energy is the main culprit in this phenomenon.

Another great advantage of Solar Power is that it provides you independent energy wherever you are. For instance, if you have a remote farmhouse where grid power is not available, you can generate your own power, because the Sun is everywhere!