



Apro GreenTech

“Greening the Impossible” - doing what others thought impossible

Solar Tree for Lighting & Beautification



Who we are

Apro Greentech provides complete greening solutions & execution. True to our tagline "Greening the Impossible". At Apro Greentech we provide products and solutions for multiple areas like creating renewable energy plans with open access solar to group captive models which takes care of your electricity consumption, treating waste which takes care of wet & dry waste, we are not only harvesting rainwater the smart way, but also providing solutions for cleaning lakes & nullahs, supporting green buildings Apro has built low cost housing with waste pet bottles and fly ash and e-toilets from recycled milk cartons, We are also helping with pollution control with our dust control machine. Constantly coming up with creative ways to a greener future and to combat the growing influence of climate change and global warming.

DIFFERENT VERTICALS OF APRO GREENTECH

Apro  GreenTech



DIFFERENT VERTICALS OF APRO GREENTECH

Green Consultancy

- Planet-friendly rural and urban development
- Waste precessing and recycling
- Solar powered lighting solutions
- Rural energy management
- Waste Management

Sustainable Advertising

- Green Advertising solutions
- Environmental Sustainability Promotions
- Carbon Neutral Awareness programs
- Solar charging stations
- Green billboards and hoardings

Urban Greening & Beautification

- Urban beautification initiatives
- Plantation & clean up drives
- Awareness programs
- Green homes
- DIY workshops

Sustainable Homes

Apro Bricks

- Designed for strength and durability
- Made out of recycled waste
- Sample home completed
- Pre-fabricated rooms available



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Greening the Impossible

Sustainable Sanitation

SusLoo, the sustainable sanitation unit

- Powered by solar energy
- Structure made from recycled waste
- Simple setup and mantainance
- Can be modified for the handicapped & children

Renewable Energy Innovations

- Solar benches
- Mobile charging stations
- Laptop charging kiosk
- Bins and tree guards

Waste Management & Recycling

- Solid waste management solutions
- Carbon Credit Programs
- Scientific recycling units
- Dry waste centers
- Thermocol recycling

To know more, visit us at www.aprogreentech.in

Apro Greentech Solar Tree For Lighting & Beautification



What are Solar Trees : A solar tree is an artificial tree with Photo voltaic cells arranged to form the tree shape, Solar trees are intended to bring visibility to solar technology and to enhance the landscape and architecture they complement, usually in a commercial or public context. Solar Tree is a design phenomenon and is applied to track maximum power from sun. A solar tree is an artificial tree with Photo voltaic cells arranged to form the tree shape. Our solar tree can be integrated with WiFi, cctv cameras, weather monitoring system & sun tracking system.

Solar tree is the successful concept of most advanced technology and the aesthetic requirements of the urban environments thru renewable energy plans. Solar tree plants produce new growth following a FIBANACCI SEQUENCE. In the same way “tree” using the sequence of leaves.

Solar trees may provide shade and meeting places. Generating free power to beautify the area. Our uber cool solar tree is made with best craftsmen using quality isi product, dc lighting which is cost saving & meets the safety norms, prevents mishaps like electric current on a metal structure. Our lithium ion batteries provide long life, better charge & power back as opposed to a lead powered battery. Our led lights systems come with a automate system with a dusk to dawn controller & a total 12 hours back up time on full charge. Solar tree is a revolutionary urban lighting concept that represents a perfect symbiosis between pioneering design and cutting-edge eco-compatible technology. Solar Tree is designed to function both autonomously and in synchronization with the public grid. Electric grid, it uses the energy generated by the solar panels during the day to recharge the batteries. At dusk, which is recognized by automatically monitoring the solar panel output, the LED sources are activated and remain lit until dawn (or as long as the batteries remain charged).

Why Solar Tree

- **Efficient design** : In situations where space is a constraint, solar trees provide an option for installing multiple layers of solar panels while maximizing the efficiency of the available area.
- **They look great** : The solar tree design is efficient and strikingly appealing. Compared to the way standard solar panels are laid out, solar trees look a lot more aesthetically pleasing. The sight of a tree-shaped solar installation can be quite pleasing to the eyes.
- **Perfect for making a statement** : Individuals and businesses looking to showcase their support for sustainability can do so in style by installing solar trees. Some of the most popular solar panel tree installations around the world serve precisely this purpose.
- **Flexibility and compatibility** : Solar panel trees can serve as an excellent option for properties where solar roofing is not an option. They are also available with automatic weather monitoring.
- A great way to educate people about solar : They are often used as a means to light up the surroundings and build awareness about solar technology. Solar Trees are being used for this purpose in various corporate companies, government bodies, railways, Army in India.



**Powering INDIAN ARMY
campus with our Solar Tree.**



**Powering Indian Railway
With Our Solar Tree**



Disc Solar Tree





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Leaf Tree



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Solar Tree Specifications

Height of tree : 10 – 15ft depending on the location.

Approx. Tree Weight 80 – 120kgs

Foundation 2x2x2 PCC

Lighting & Solar System Details with LITHIUM ION Battery	
wattage per luminary/ Size	12 watts/ 485x350x22mm
solar panel/ weight	12 watts/ 2kgs
battery bank (lithium ion)	115.4 WH
Total autonomy days	18 HRS
Warranty	2 years
CO2 emission / KWH of energy consumed	2.1 lbs/ kwh
comparable conventional energy saved per year	2628.0 KWH



Solar Street Lamps :
Solar lighting systems will pay for itself in only about 2 years.

Apro Greentech Solar photovoltaic panels are durable and do not require much maintenance, once in while cleaning of solar cell modules will be it. Average lifetime of solar power panels are 25 years, which justify the initial cost of solar panel. Motion sensor led lights save power



Apro Greentech Media Articles

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