



SOLAR SOLUTION

About Us

EPP Composites is a leading global player in the rapidly growing Composite Industry. EPP was established in 1986 with the intention to develop its place in the Composite Industry with focus on Quality and Customer Service. It is a global multi-product, multidivisional group, engaged into manufacturing of industrial & Lifestyle living Composite Products in India; an ISO 9001:2015 certified Company, spread over 650 thousand square feet with representation PAN India, Middle East, Asia Pacific, Europe & USA. We are a strong growing team of 1500 people & have >1000 satisfied customers to our portfolio.

We had a dream of making unparalleled quality of Composite products meeting International Standards including import substitutions and thus placing ourselves in the niche circle of globally renowned composite product manufacturing companies. Our goal remains to deliver highest quality at the most reasonable price meeting our customers expectations. The ever expanding list of our satisfied clients is indicative of our achievements.

EPP's involvement from design to commissioning in detailed project & engineering jobs has made it possible to develop our unique inhouse designing expertise. EPP has a team of specialist designers & industry experts with a reputation to precisely design as per customers' applications.

FRP Structures for mounting PV Modules——

FRP Structure mounting, made of FRP, can be installed on roof or ground to support the solar panels.

FRP structure mounting is including various structure profiles, which contains good UV and ageing resistance for durable life. Besides, they can be used in seaside and other harsh environments due to its excellent corrosion and rust resistance performance.

There are many types of panel mounting to be customized. Panel mounting structure is an important element in solar PV system as it provides structural support to the solar panels. FRP has emerged as a better alternative material for frames and mounting structure. FRP, due to its inherent properties, offers a sustainable solution for solar panel application.



FRP Gratings for walkways on Industrial roofing

FRP Rooftop Walkway System, specially designed for SAFE & CONTROLLED roof access. This system provides non-slip, safe and all weather access for maintenance of solar panels and frequently accessed areas without un-necessary damage on roofs. FRP walkways act as designated routes, which are very crucial to keep people away from fall hazards. FRP Walkway Grating is manufactured using superior quality raw materials that are tested on various quality parameters. It is made of fiberglass and Isophthalic polyester resin to protect, which has properties of durability, corrosion resistivity and fire retardancy.

Features

1. Light Weight
2. UV Resistant
3. Perfect foot hold grip
4. Maintenance Free
5. Permanent slip resistance
6. Corrosion Resistant
7. Bidirectional Strength
8. Non-sparking and non-conductive
9. Rust Resistance
10. Very quick to install
11. Fire Retardant
12. High Load Bearing Capacity



FRP cable trays

FRP cable management system comes with enormous benefits. FRP has excellent insulating and humidity resistance performance. So the FRP cable trays are widely used in electrical power engineering. FRP has excellent insulating performance. Secure worker's safe and guarantee efficient production. FRP is Humidity resistance. No shrinking or deformation even being exposed outdoors for long time. FRP is strong but lightweight. Same loading capacity but 1/3 weight of steels. FRP has anti-aging performance. UV inhibitors are added for anti-aging even in harshest environments. FRP is easy to install & fabricate. Lightweight FRP makes installation and fabrication easy and fast. FRP come with very little maintenance. No need cleaning or painting to save maintenance costs. FRP give a long term durability. More than 35 years lifespan is worthy the choice.



FRP decorative structures



Solar Agri Solutions

Solar water pumping systems are used where grid power is not available, or the grid is not reliable. Solar pump systems use Solar Panels to convert sunlight into electricity to power AC/ DC pumps which can be used to pump Surface or groundwater. With the cost of diesel and electricity rising constantly, solar powered water pumps are the perfect alternative for rural regions as these have a low maintenance cost and ensure a long product life. Pump capacity is from 0.5 Hp to 50Hp



Solar Home Light Systems

Integrated Solar led Street Light is an extremely versatile and robust solar street & parking light, ideal for all kind of weather conditions.


The compact solar powered street light is pole & wall mounted. This stand lone system doesn't require trenching or connection to the electric grid.

The street light comes with High Efficiency Mono Crystalline Solar PV Module, Lithium Ion / Lithium Ferro Phosphate battery with inbuilt BMS technology, High Efficacy LED, MPPT Solar Charge Controller and Aluminium Extruded body.




Solar Street Lights

PRODUCT FEATURES

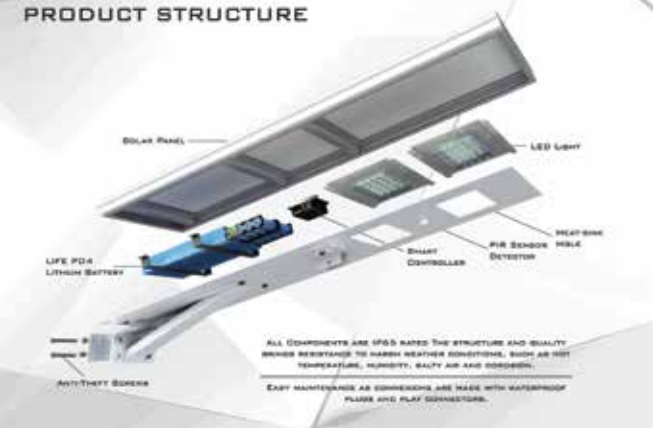


ALL IN ONE

INTEGRATION OF PHOTOVOLTAIC MODULE, CHARGING CONTROLLER AND LIFEPO4 BATTERY COMBINED WITH HIGH OUTPUT LEDS AND HUMAN INFRARED SENSORS BRINGS MULTIPLE FEATURES SUCH AS HIGH LUMENANCE, LONG LIFESPAN, MINIMAL MAINTENANCE AND EASY INSTALLATION.



PRODUCT STRUCTURE



SOLAR PANEL

LED LIGHT

LIFE PO4 LITHIUM BATTERY

SMART CONTROLLER

PIR SENSOR


HEAT SINK

ANTI-THEFT SCREEN

ALL COMPONENTS ARE IP65 RATED THE STRUCTURE AND QUALITY BRINGS RESISTANCE TO HARSH WEATHER CONDITIONS, SUCH AS HOT TEMPERATURE, HUMIDITY, SALTY AIR AND RAINBOWS.

EASY MAINTENANCE AS CONNECTIONS ARE MADE WITH WATERPROOF PLUGS AND PLYW CONNECTORS.

EASY INSTALLATION



ANTI-THEFT SCREWS
SPECIAL TOOL
REQUIRED
1 INCLUDED IN THE PACKAGE

WITH A WELL DESIGNED BRACKET SUPPORT THE ADD IS VERY EASY AND FLEXIBLE TO MOUNT ON ANY POLE AND WALL.

LITHIUM LIFE PO4 BATTERY



BATTERY MANAGEMENT SYSTEM

ADVANCED ALGORITHM PROTECTS AND MANAGES BATTERY FOR BEST USE OF THE BATTERY CAPACITY.

10 YEARS
DISCHARGE CYCLES

High Temperature Resistance 0°C to +45°C

SAFETY FOR CHILDREN AND PET

Best Technology in the Market

LITHIUM LIFEPO4 THE ULTIMATE TECHNOLOGY FOR SOLAR APPLICATIONS & LONG LIFESPAN LOW CYCLE COUNT DEL AND BATTERY



LED LIGHTING



BATTERY LENS

PHILIPS LUXEON HIGH BRIGHTNESS LED WITH OVER 100 LUMENS/WATT AND OVER 50,000 HOURS LIFETIME. BATTERY LENS LIGHT DISTRIBUTION WITH GREATER THAN 92% UNIFORMITY

9W 15W 20W 30W 40W 60W 80W 100W



BATTERY LIGHT DISTRIBUTION CURVE



LIGHT INTENSITY GRAPH

High Frequency Solar Hybrid Home Inverter with Lithium Battery

- Zero maintenance
- 7 yrs battery warranty
- Battery life 12 to 15 yrs
- 3 yrs Electronics warranty
- wall mounted
- Solar Hybrid
- Child safe
- green product
- surge protection
- 91% efficiency
- very light in weight



CLEANTECH 

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