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OFFONN ELECTRICALS

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OFFONN ELECTRICALS

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Regional & Sales Office

V.S. AGENCY

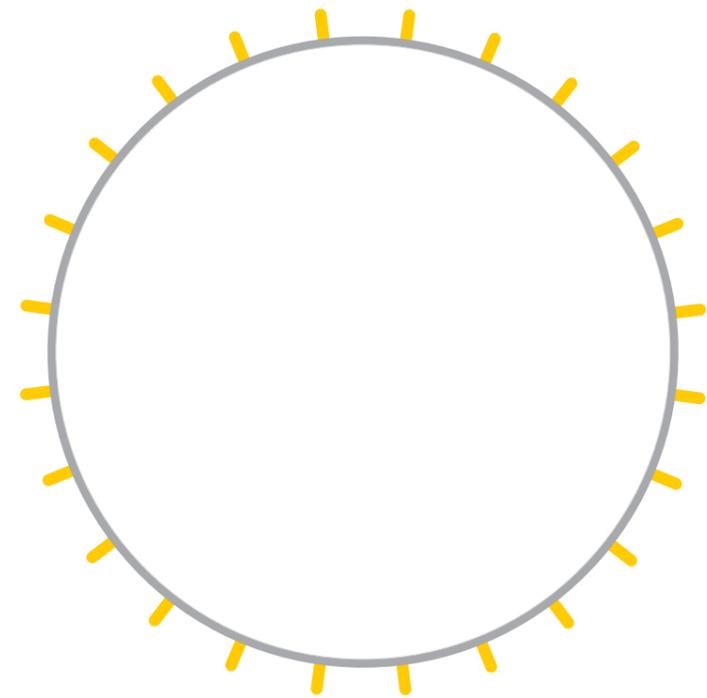
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BEHOLD THE INNOVATION

EFFICIENT — ENERGY — EFFECTIVE

OFFONNTM ELECTRA

ABOUT US

The sun is an eternal source of energy and today solar power can be an independent and reliable power source for locations with frequent power cuts, where previously people have depended on a Home Inverter/UPS or a diesel generator for power back-up. With solar power we can all enjoy the abundant energy from the sun, reduce our electricity bills and at the same time help reduce CO2 gas emissions.

OFFONN ELECTRA a leader in power backup solar solutions has developed solar power packs to meet the specific needs of residences, small offices, retail shops, food outlets, medical clinics, community halls, hotels, educational institutions, workshops among others. Consul Solar Power Packs provides the users with their own power source for peace of mind and energy independence.

OFFONN ELECTRA also provides additional services for liaison with various Government departments for regularization of solar plants including necessary permissions, NOCs and REC accreditations as applicable.



SOLAR PANELS

Our solar panels are suitable for wide range of applications from individual homes to industrial roof and ground mounted systems. They are compatible with all industry standard mounting system as well as charge controllers and Inverters.

FEATURES

- High fill factor for improved energy efficiency
- Enhanced reliability through the use of distinctive encapsulate and backsheet
- Robust and rugged design ensures to withstand against high wind pressure snowload and extreme temperature variations.
- High transmission glass ensures maximum efficiency of module.

SOLAR ON-GRID SOLUTION

Our rooftop solar systems help customers become self-sufficient in power generation, while also allowing them to feed-in excess solar power to the local electricity grid. Furthermore, these systems are designed and fabricated in-house, and installed by our trained team of technicians.

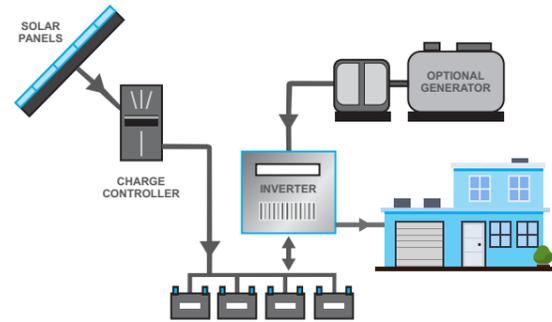
- Most environment friendly Project.
- A permanent shield against ever increasing power prices.
- The cheapest source of electrical energy.
- A project with the quick payback period.
- No batteries required.
- Operation and Maintenance (O&M) costs are low.
- Payback Within 3 – 4 Years
- Accelerated depreciation reducing capital investment cost
- No maintenance, no pollution, no moving parts.
- Reliable & long life - more than 25 years
- Government subsidies available



SOLAR OFF-GRID SOLUTION

Solar rooftop systems can either connect to the grid, or they can be 'off-grid' with battery storage. The beauty of an off-grid solar system from OFFONN ELECTRA is that it provides the most reliable power possible, making you independent of power cuts, without the hassle of a diesel generator or battery inverter system. Orb's off-grid solar systems are designed and fabricated in-house, and installed by our trained team of technicians. If you would like to invest in a solar rooftop system with battery storage

- Be an independent power producer with reliable electricity.
- No more wastage of money on fuel during power cut-offs.
- Source Priority controller.
- MPPT based Charge controller technology.
- Advanced features allow remote monitoring.
- Minimum maintenance.
- Payback period : 4 - 5 Years.
- System life of 25 - 30 Years.
- Life time savings as much as 6 - 7 times.



RESCO MODEL

Under the RESCO model, the consumer can install a solar power plant and not pay anything upfront. A power purchase agreement is signed between the installer and the consumer at a mutual price (tariff). In another model, the consumer can get a solar system installed at his rooftop and also get rent for subletting the rooftop. The consumer need not pay anything and he has the choice whether or not to consume the electricity..

Under this model, a third party investor comes in to invest into a PV plant on a rooftop and sells solar power to a power consumer. The consumer does not make any investment. If the solar power is viable, the consumer can benefit from savings on the electricity bill right from the start. Under this model, the investor and the consumer agree on a tariff (per kWh of solar power) and timeline of a power purchase agreement. The investors typically offer a tariff lower than the current grid tariff and equally the escalation

The most significant advantage of this system, apart from the fact that it entails zero investment, is that the RESCO is responsible for the operations, repair and maintenance of the system. It is not the consumer's responsibility to ensure proper functioning of the system. As the size of project increases, this model becomes more feasible due to economies of scale. The size of project can either grow individually, or as a collection of small projects bundled together.

- 100% Solar Project Investment by Third Party.
- Project would be installed at your site.*
- Project would be governed by a Power Purchase Agreement (PPA) for a period of 10 / 15 / 20 years.
- Monthly invoicing on power consumed.
- Discount on your present power tariff.

ALL IN ONE SOLAR STREET LIGHT

AUTOMATICALLY REGULATE THE LIGHT OUTPUT

OFFONN all in one solar street lights has a built in passive infrared motion sensor that automatically regulates the led light output from full brightness to a lower level depending upon the detection of movement around the light.

This fluctuation of lighting intensity preserves battery power and also serves to increase community security by deterring unsociable activity late at night and early in the morning where these lights are installed.

The system automatically detect when a person is in a range of 10-12 meters and put the light at full power. after a determined period of no-detection the system will enter in eco-mode dimming the light. When you make the order let us know your requirements, we will configure the system as per your needs.

LONG WORKING TIME

The working time is critical for every solar lighting system. All in one in particular, suffer of limited space for batteries. For this reason we are using New generation lithium ion batteries which offers 3 times more storage and power capacity versus traditional lead acid batteries. Lithium battery technology offers up to 4 times more discharge capacity over lead acid types and 3 times more cycle life. built in power management capacity over lead acid types and 3 times more cycle life. This is why we can ready up to 30 hours of continuous lighting

FASTER CHARGING TIME

Due to limited surface space, we use only high-efficiency monocrystalline cells. Our solar panels are the best performing cells on the market and can give up to 20% more charge current with respect to traditional silicon cells. Charging time is critical for solar lightings and you deserve the best possible technology. Only in this way we can assure th proper charge of the batteries.

BUILT TO LAST

We have designed the solar street lights to withstand the harshest and most extreme environments. From blistering head to driving rain, hail and sub-zero temperatures. whatever the environment is, offonn electra rugged construction is up for the challenge. all the internal components, as well the connectors, offer IP65 weather protection and the external components are built with marine garde aluminum and stainless steel fixings.



APPLICATIONS

• Street Lighting	• Sidewalk Lighting	• Campus Lighting
• Roadway Lighting	• Private Road Lighting	• Boat Dock Lighting
• Pathway Lighting	• Farm & Ranch Lighting	• Remote Area Lighting
• Ramp Lighting	• Wildlife Area Lighting	• Military Base Lighting
• Park Lighting	• Yard Lighting	• Fence Lighting
• Gate Lighting		



*"I'd put my money on the Sun and Solar Energy, what a source of Power!
I hope we don't have to wait until oil and coal run out, before we tackle that."
- Thomas A. Edison*



The Solar Panel is gaining a lot of momentum in this day and age. Many people are turning to it as it can be used for multiple purposes. The major benefit it offers is that of serving various applications. Besides, it is cost effective as well. Apart from being easy on your wallet, it is also eco-friendly. Hence, by getting Solar Panel you can contribute in curbing global warming.

The Solar Panel has got lot many uses. Many people use it for heating water, for cooking, for heating water in the swimming pool, for heating their home and even for enhancing in-house ventilation.

SOME OF OUR PROJECTS

Sr.No.	CUSTOMER NAME	WORK SCOPE	PROJECT LOCATION	PROJECT SIZE
1	Swaminarayan Gurukul,	Solar PV Project Installation	Sector 23, Gandhinagar	45KW
2	Swaminarayan Mandir	Solar PV Project Installation & Commissioning	Kheda GUJARAT	15KW
3	Swaminarayan Engg. College, Bhat.	Solar PV Project Installation & Commissioning On going	Air Pot Road, AHMEDABAD	50KW
4	Adinath Offset	Solar PV Project Installation & Commissioning	GIDC, Surendranagar	20 KW
5	Maicron Laboratories	Solar PV Project Installation & Commissioning	GIDC, Surendranagar	50 KW
6	Asharam Ashram	Solar PV Project Installation	Ahmedabad	45.00 kw.
7	CBSC School	Solar PV Project Installation	Maharastra	75 kw.
8	Swastic Foundation	Solar PV Project Installation	Bazpur Uttarakhand	500 kw.
9	Vallabh Ashram	Solar PV Project Installation	Valsad	100Kw
10	Girls School	Solar PV Project Installation	Valsad	65Kw

CERTIFICATION

