



UV POWER

BROCHURE



We are a set of professionals who are certified to design PV systems, and have working background of installing solar system of Mega watt range in industrial sector .

From last couple of years we designed, developed and supplied several solar products which are useful for construction sector, which are found to be cost efficient, economical, maintenance free and environment friendly.

Commercial Consumers generally put their efforts in capital management and business sales and very rarely give a thought on reduction of operational expenses (where they could really gain much)

Here, we guide our customers in such a way to cut down their operational expenses by proper energy audit and suggest correct usage of renewable green energy sources.

Clients we deal:

1. L&T Construction
 2. TATA Projects Ltd.,
 3. GR Infrastructure Ltd.,
 4. NCC Ltd.,
 5. KPC Projects Ltd.,
 6. JMC Projects Ltd.,
 7. ONGC Ltd.,
 8. Dilip Buildcon Ltd.,
 9. AIC Infrastructure Ltd.,
 10. Megha Engineering Ltd.,
- and many more....

Industries/Sectors we deal:

1. Construction industries
 2. Petrol Pumps
 3. Shopping Complexes
 4. Milk Chilling station
 5. RO Plants
 6. Rice Mills
 7. Food processing units
 8. Industries/ Productions units
 9. Commercial buildings
 10. Pharmaceutical companies
- and many more....

Brands we deal:

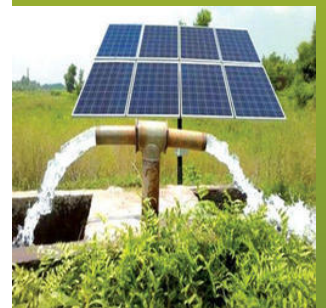
1. Waaree
 2. Vikram Solar
 3. JA Solar
 4. K Solare
 5. ZPower
 6. Enertech
 7. Growatt
 8. Polycab
 9. Philips
 10. Osram
- and many more....



Solar Mobile Light Tower



Solar Roofing



Solar Pumps

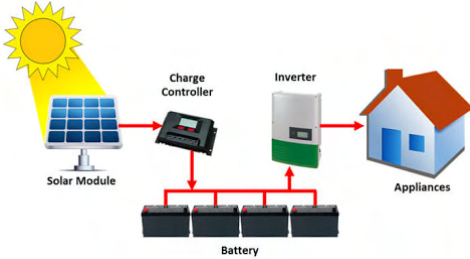
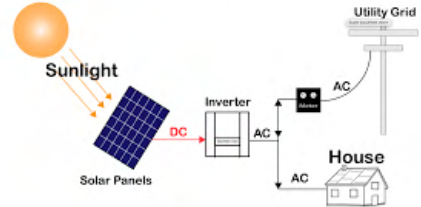


Solar A.C.s

ON-GRID & OFF-GRID SOLAR SYSTEMS

What is a Solar ON-GRID system?

On grid solar power system is a solar power generation system where it is connected to the utility grid. The electricity produced by the system is routed to the grid from where it is used to run the various appliances. The excess power at any point of time is transmitted back to the grid.



What is Solar OFF-GRID system?

It works by generating electricity from solar panels and using it to charge a solar battery via a charger controller. That electricity is then converted using an inverter so that it can power the home or business appliances. By saving the electricity in a solar battery, it is possible to run home with solar energy, even at night or during times when there is less sun exposure

Our Latest entry:

Apart from Rooftop & ground mounted On-grid / off-grid installations, we also started Solar Roofing and extending this in a bigger range.

Off-Grid installations we have dealt:

- > Weigh bridges operations
- > Labor camps
- > Remote construction sites without electric lines
- > Container offices

SOME PICTURES OF OUR WORK:



Type of installations :

1. Ground Mounted :

Ground-mounted PV systems are usually large, utility-scale PV power stations. The PV array consist of solar modules held in place by racks or frames that are attached to ground-based mounting supports.

2. Roof top:

A rooftop PV power station is a photovoltaic system that has its electricity-generating solar panels mounted on the rooftop of a residential or commercial building or structure.

Advantages of Ground Mounted installation:

1. Future Expansion
2. Ideal Angle
3. Better Efficiency
4. Panel Longevity
5. Ease of maintenance

Advantages of Roof Top installation:

1. Secure investment.
2. Increases access to energy
3. Serves two purposes
4. Reduces carbon footprints.
5. Low maintenance cost.
6. Suitable for Indian climate

SOLAR LIGHT MAST / MOBILE LIGHT TOWER



Major Projects in which Solar Light towers working are:

1. Delhi International Airport
2. Navi Mumbai Airport
3. Bullet Train (HSR) Projects
4. Hanimasoodh Airport
5. Samruddhi Exressway
6. Ganga Expressway
7. Pune Metro Rail
8. Chennai Peripheral Road
9. Adani Data Center , Pune
10. Chennai Metro Rail
11. DDFC Rail Projects
12. Jal Jeevan Mission Project
13. ONGC well sites
14. Refineries across India

These are supplied in :

1. India
2. Mauritius
3. Maldives
4. UAE
5. South Africa

Features:

1. 14 to 15 hours backup
2. 140 lumen / watt luminous efficacy
3. Rigid , Mobile structures suitable for all construction sites
4. Highly efficient MPPT charge controllers
5. Mono PERC solar modules of tier 1 grade only
6. Display showing all operations parameters
7. Auto on/off sensing ambient light
8. Mobile charging ports
9. Highly efficient solar lights with lens and booster coils to maintain same intensity throughout night
10. Height adjustable telescopic mast with mechanical winch and locking arrangement



Optional Features:

1. Remote monitoring of all parameters including energy produced and instantaneous power
2. Remote switching on / off for lights

Different types of Solar light masts:

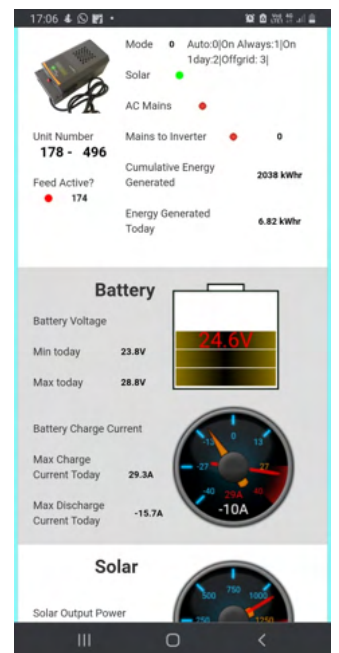
1. 4x150 watt light tower with 6 meters telescopic mast
2. 4x150 watt light tower with 9 meters telescopic mast
3. 4 x 200 watt light tower with AC output to run power tools

Hybrid light masts :

1. 4x150 watt solar light mast with 5 kva generator for running small tools at times
2. 4 x 150 watt solar light mast with 5 kva generator (+) 200 amps welding machine inbuilt

Warranty Terms

1. Panels - 25 years
2. Solar batteries - 04 years (piece to piece replacement)
3. Led lights - 2 years on site (complete warranty)
4. Solar charge controllers - 2 years



OUR OTHER FEW PRODUCTS WITH GREAT MARKET AND FAST MOVEMENT:

SOLAR ALL-IN-ONE STREET LIGHTS



Ranges we deal:

1. 20w All-In-One & Semi-Integrated
2. 40w All-In-One & Semi-Integrated
3. 60w All-In-One & Semi-Integrated
4. 100w All-In-One & Semi-Integrated

Advantages of Solar street lights:

1. No External supply from DG set / EB line
2. No Cable is required
3. Saves Fuel cost / Energy cost
4. Completely safe to use at construction sites since no cable is routed to supply these lights
5. Auto dusk to dawn operation is programmed
6. Comes with 5 years complete warranty of whole assembly including battery pack
7. Equipped with LiFePO4 Battery storage which is highly efficient in world and comes with life of minimum 6000 cycles
8. Highly efficient Mono Crystalline Solar modules are used
9. PIR sensors can be installed as per requirement , which senses movement from distance of 10 meters
10. Sets of All in one lights can be used on single pole as High mast – as per requirement

Specs of Max. capacity All-in-one :

1. 100 WATT LED
2. 180 WATT Mono Crystalline Solar Panel
3. 12.8V , 96 AH LiFePo4 Battery Storage



Specs of Max. capacity Semi-integrated :

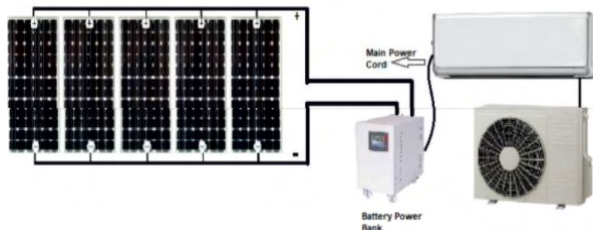
1. 100 WATT LED
2. 200 WATT Mono Crystalline Solar Panel
3. 12.8V , 96 AH LiFePo4 Battery Storage



SOLAR SEMI-INTEGRATED STREET LIGHTS



SOLAR AIR CONDITIONER (A.C)



Differences between regular A.C & solar A.C

	Conventional A.C	Solar A.C
Wattage	2000 watt	800 watt
Starting Load	3500 watt	100 watt
Running AMP	7 to 9 AMP	2 to 4.5 AMP
Electric Saving	NA	upto 80%
Jerk Load	High jerk	No jerk

Benefits of Solar A.C

1. Low wattage
2. No jerk
3. 80% electric bill saving
4. Green energy

Capacity we deal:

>>1.5 tons to 2.5 tons<<

Application of solar geysers:

1. Domestic: Flats, Bungalows, Apartments
2. Commercial : Hotels, Hospitals, Hostels, Complexes
3. Industrial : Process Industries, Preheating boiler feed water

Models we deal:

- E Model
- S Model
- S&E Model

SOLAR WATER PUMPS



Application & Usage :

1. Solar water pumps is mainly used in Irrigation, livestock Batching plants, Chilling plants etc.,
2. Solar Modules can be installed on top of water tanks which also acts as insulation for heat loss
3. Comes with Controllers which can be operated remotely

Advantages of Solar pumps:

- > Eco-friendly
- > Reliable
- > Low Cost
- > Low Maintenance

Ranges & Types we deal:

- > Range varying 3 H.P to 15 H.P
- > Submersible & Mono Block types



For any kind of queries or more details, please contact undersigned :

Address:
UV Power
7-2-22/2, Ullithota street
Rajamahendravaram
Andhra Pradesh

Website:
www.uvpower.in
Email:
uvpowervjy@gmail.com

Contact:
Chandra Sekhar K
9121520399
9391998165