



Sunyukt Electrosolar & IT Solutions Pvt. Ltd.

Context

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- *Management & Organization*
- *Business Associates*
- *Implementation Methodologies*
- *Project Synopsis*



Sunyukt Electrosolar & IT Solutions Pvt. Ltd.

Company Profile

Sunyukt Electrosolar & IT solutions Private Limited is formed in 2015 mainly to focus on Non-Conventional renewable Solar Energy implementation, Design, installation, Product Sales and after Sales Service &...

End to End Solution in Information Technology.

Social Responsibility towards society is main motto to form the company. We have planned to focus and support initially in rural areas of Maharashtra, Andra Pradesh & Karnataka where scarcity of Knowledge and resources creates challenges in day to day life. We have decided to focus in Two Division.

- **Solar Energy** : EPC , Generation , Implementation, Sales & Support
- **Information Technology**: Enablement, Transformation, Jobs & Support.

Mission

Motto is to Spread Knowledge & Solar Energy Resources to Society also Enable Rural India with Pedagogy in Information technology, Transformation, Jobs & Services with low cost better solutions.

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www.sunyukt.com



Sunyukt Electrosolar & IT Solutions Pvt. Ltd.

Management & Organization

Directors

Swati Shewale

Post Graduate in Computer Management
swatishewale@sunyukt.com

Sadashiv Shewale

Retired : Head Accountant (Department of Forest)

Consultants & Experts

Sunil Shewale

Post Graduate in Computer Management
22+ Years of Experience in Information
Technology and Project Management
Worked with multiple Industries ,
Multinational companies.

Uday Kokate

Director Proven-Solar

Dr. Deepali Gulhani

Doctorate in Renewable Energy and having vast
experience in Solar Projects. Was associated
with Jain Solar. Currently Sr.Consultant at
MEDA (Maharashtra Energy Development
Association.)

Corporate Office

Sunyukt Electrosolar & IT Solutions Pvt Ltd.

N.D. Tower, B-301 , Dnyaneshwar Nagar , Near PCMC Hospital , Akurdi Main Road , Pune -35

Contact : 9689447169

Email : Sales@sunyukt.com

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Solar Division

Goal of this company is to reach out interior part of Rural India and equipped them with Consulting in **Renewable Energy Projects and Services with Engineering, Project Management, Operations, consultancy in the field of Eco- friendly development & green energy.**

We facilitate supply and services of renewable energy projects like EPC , Solar Thermal, Solar Photovoltaic & many more.

Our objective is to build/provide environment friendly applications to promote Green Energy. We introduce ourselves as a Solar Systems Integrator through its industrial knowledge and best technology tie-ups to provide complete turnkey photovoltaic solutions as per customer requirements and has emerged as a trusted partner.

Major Focus areas are

1. Utility Grid EPC
2. Roof -Top On Grid / Off-Grid Solutions
3. Off Grid Stand-alone
4. After Sales & Maintenance Services



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Business Associates

We are directly associated with Resolution Energy for their Services and consultancy

We are Business Partners for Proven Solar and key channel partners for Marathwada region

We are associated with **EnerTech UPS Pvt. Ltd & OM EKDANTAY ELECTRICALS** for their specialized work in Solar Power Controlling Units ranges from 1KV to 200 KVA & DG set control panel such as AMF (Automatic Mains Failure control panel) , M.C.C.(Motor Control Centre) panel, auto-load sharing panel and serves you different type of special purpose panel also having expertise hand in the field of Genset erection, commissioning, sales & services, annual maintenance contract etc.

We have business dealing / dealer setup with following Solar Manufacturing companies for their Products & Services

1. Waree Industries Pvt. Ltd.
2. Su-kam Solar Pvt. Ltd.
3. Vikram Solar Pvt. Ltd.
4. Jain Solar Pvt. Ltd.
5. Enertech UPS Pvt. Ltd.
6. Bluepoint Solution Pvt. Ltd.



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Project Life Cycle

Utility Grid EPC

Roof Top Off-Grid / Grid Tie EPC

Off-Grid Stand-Alone

Net-metering



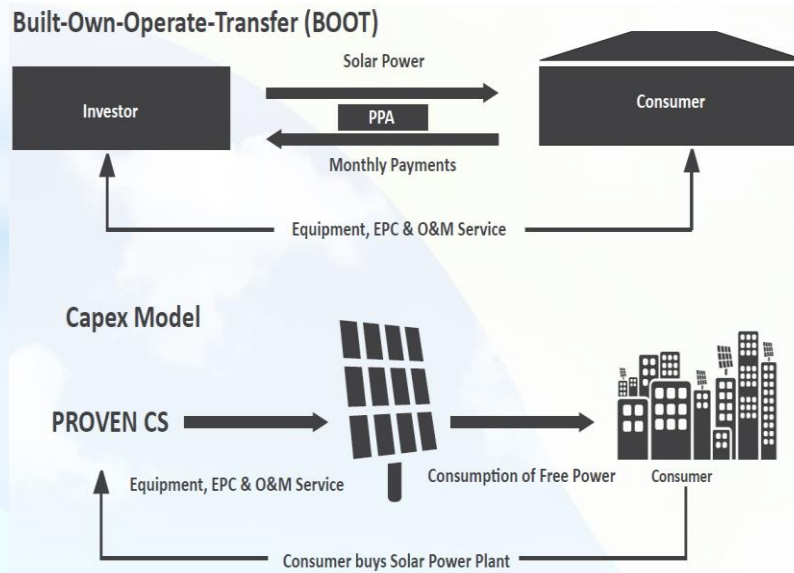


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Utility Grid EPC

We offer customized solutions to our clients / Consumers -

- *Opex Model - Client / Consumer buy solar power on Build-Own-Operate-Transfer (BOOT) basis*
- *Capex Model - In this model all capital expenditure is done by the client / Consumer for solar Power Plant*





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Methodology & Advantages

Methodology : *Grid Connected Systems* are systems connected to a large independent grid usually the public electricity grid and feed power directly into the grid.

A typical grid-connected PV system comprises the following components:

- **Solar PV Modules:** these convert sunlight directly to electricity.
- **Inverter:** converts the DC current generated by the solar PV modules to AC current for the utility grid.
- **Main disconnect/isolator Switch**
- **Utility Grid** : Central grid-connected PV applications have capacities ranging from the higher kilowatts to the megawatt range.



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Advantages

- *The fastest growing power generation technology in the world.*
- *Favourable incentives such as feed-in tariff schemes, tax rebates and investment subsidies.*
- *Fed directly into the electricity grid without storage in batteries. This will be a very good way to boost the existing electricity production capacity in the country*
- *Energy without pollutants and greenhouse gas emissions. This can go a long way to help mitigate the adverse effect of global warming as well as contribute to sustainable energy development.*
- *Helping attain the target of 7500 MW renewable energy in the electricity generation mix set by the government till 2023*



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Roof Top Solar Power Projects

For Consumers

- No additional investment on site acquisition.
- Maximum shadow free area.
- Easy for commissioning & maintenance
- Reduces the dependency on grid power.
- Long term reliable power source
- Mitigates diesel generator dependency

For Commercial establishments

- Solar power cost is close to the commercial power cost Max generation during peak usage time.

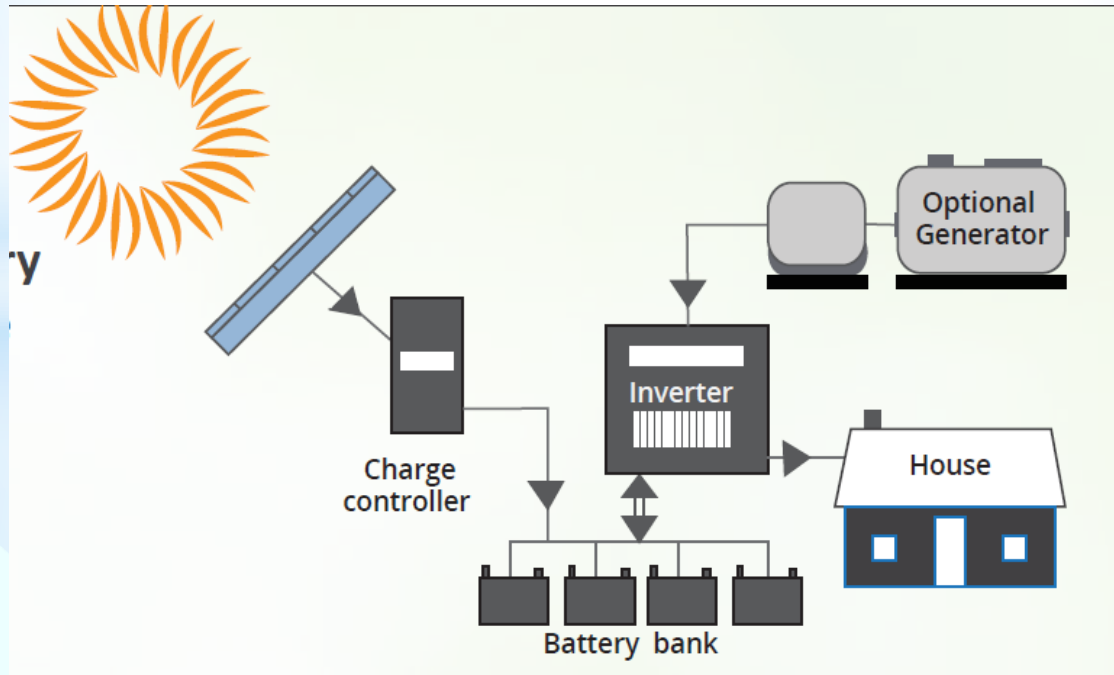




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Off-Grid Solar Power Projects

Its combination of on-grid and battery based inverter system, which can be operate after electricity shut down





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Maintenance Services

Preventive Maintenance

- Routine inspection and servicing of equipment
- Panel cleaning - At twice a month or depending upon the dust conditions
- Vegetation Management - After rainfall and based on local conditions
- DC & AC electrical sub system testing
- Mechanical inspections
- IV Curve Testing
- Sensor Calibration
- Security Systems
- Documentation of events
- Warranty Management
- Diagnose faults through data mining

Condition-Based Monitoring (CBM)

- Monitoring of equipment condition and plant operations on a real-time basis and addresses a potential problem at a very early stage to prevent downtime. This requires a robust plant performance monitoring system.
- Active Monitoring(Inverter Level)

Corrective Maintenance (CM) or Breakdown Maintenance (BM)

Repair of broken down equipment and is usually reactive.



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Synopsis of Projects



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Deshmukh Hospital , Amravati



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Synopsis of Projects



Indian Oil Pump



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Synopsis of Projects



BP Petrol Pump,
Amaravati

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Synopsis of Projects



2KVA Roof Top ,
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