



Solar Energy for every Industry



ABOUT US

Maaya Solar Power Tech Pvt Ltd is a very reliable and business friendly organization that provides cost-effective, quality and innovative solar energy solutions to commercial, government and domestic customers. Our Customer oriented solutions include project design, development, installation, periodic maintenance and timely support.

We Installed and commissioned more than 1500 kWp solar power plant systems in Domestic, Commercial, Institutional and Industries.

Maaya Solar Power Tech Pvt Ltd is engaged with well exposed board of director, well experienced management professionals, highly qualified engineers with vast Of solar field experience and NSDC trained skilled persons. We innovate research and develop new products in solar with strong research and development team.

We are an enlisted partner with TEDA (Tamilnadu Energy Development Agency) and Channel partner with MNRE (Ministry of New and Renewable Energy).

We have involved in multiple government and private projects. We also joined hands with multiple players on Mega Watt scale projects.

We do conduct training programs for new comers and engineering graduates to get hands on experience is project designing and execution.



We have signed MOU with leading partners in this field to support us in complex solar power projects in India. Maaya Solar Power Tech Pvt Ltd has wide experience in providing simple and cost effective power solutions to customers.

The government educational Institutions Like Anna University and Leading Private Engineering colleges have recognized our technical expertise and our team members are involved in knowledge sharing and research in these institutions on solar energy.

Maaya Solar Power Tech Pvt Ltd, has the registered office at West Tambaram, Chennai and has Branch Office at Ambur.

On Grid Solar Power Plant Systems



Solar ON Grid Power plant system is used to generate electrical energy at your place. On Grid solar power plant consists of solar PV modules, one or more inverters, Grid connection equipment's. Here, Solar PV modules are used to generate DC electrical energy and Grid tie inverter is used to convert DC electrical energy into AC electrical energy.

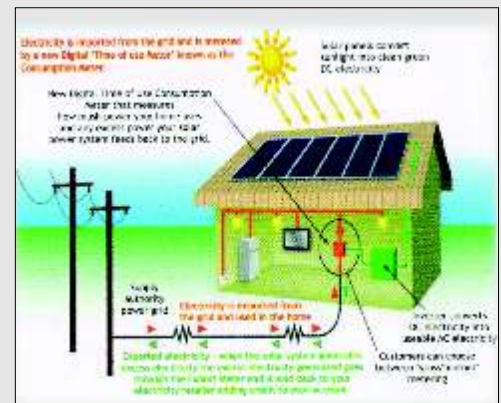
Features :

- Renewable Energy Source, Green Energy.
- No fuel cost, Very low maintenance.
- Net metering facility / Excess energy can export to grid.
- MPPT Charge Controller for best efficiency.
- Suitable for all electrical appliances, Machineries.

Available Models

Solar Capacity	Energy Generation in one year in units
1 KWp	1650 Units
2 KWp	3300 Units
3 KWp	5000 Units
5 KWp	8250 Units
10 KWp	16500 Units
15 KWp	25000 Units
20 KWp	33000 Units
25 KWp	41500 Units
50 KWp	62500 Units
100 KWp	1,65,000 Units
200 KWp	3,30,000 Units
300 KWp	5,00,000 Units
400 KWp	6,60,000 units
500 KWp	8,25,000 units

Note : Energy Generation Calculation : For assumption of 5.5 kWhr/Sq.m/day solar insolation, 1 kWp solar PV power plant averagely generates 4.5 Units / day. For one year calculation, $365 \times 4.5 = 1650$ Units Generated by 1 kWp Solar power plant system.



Application Areas



Individual Homes



Apartments



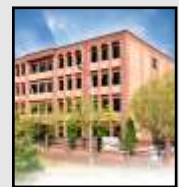
Hotels



Industry



Govt Buildings



Schools/Colleges



Commercials



Hospitals



Temples

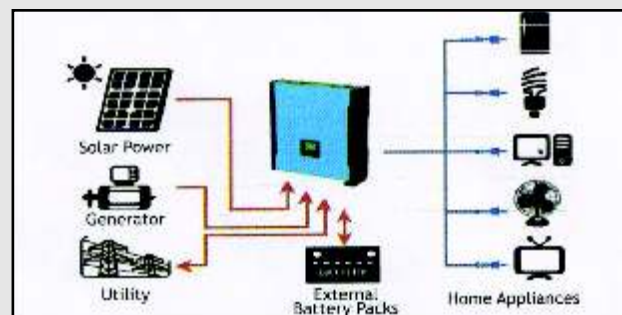
OFF Grid Solar Power Plant Systems



Maaya Solar OFF Grid Power plant system is used to generate electrical energy for our daily electricity needs our own place. Off Grid solar power plant consists of solar PV modules, batteries, Power Conditioning Unit (PCU). Here, Solar PV modules is used to Generate DC electrical energy, Batteries are used for storage, PCU is used to convert DC electrical energy to AC electrical energy and smooth operation of off grid solar power plant system.

Features :

- Renewable Energy Source, Green Energy.
- No fuel cost, Very low maintenance.
- Uninterrupted Power Supply.
- MPPT Charge Controller for best efficiency.
- Suitable for all lighting loads in Residential, Commercial and Industries.
- Storage of Energy is Possible.



Application Areas



Available Models

Solar Module	Battery	Solar Power Conditioning unit Systems	System Voltage	Maximum Usage Load	Enemy Generation per year
1 KWp	300 AH	1000 VA	24 V	800 W	1500 Units
1.5 KWp	300 AH	1500 VA	24 V	1200 W	2250 Units
2 KWp	600 AH	2000 VA	48 V	1600 W	3000 Units
2.5 KWp	800 AH	3000 VA	48 V	1600 W	3750 Units
3 KWp	800 AH	3000 VA	48 V	2400 W	4500 Units
5 KWp	1200 AH	5000 VA	96 V	4000 W	7500 Units
10 KWp	2250 AH	10 KVA	180 V	8000 W	15000 Units
12.5 KWp	3000 AH	15 KVA	240 V	12000 W	18750 Units
15 KWp	3000 AH	15 KVA	240 V	12000 W	22500 Units

Note : Energy Generation Calculation : For assumption of 5.5 kWhr/Sq.m/day solar insolation, 1 kWp solar PV power plant averagely generates 4.5 Units / day. For one year calculation, $365 \times 4.5 = 1657.5$ Units Generates by 1 kWp Solar power plant.

Solar Street Lighting System



Features :

- Easy installation. LED system unit consist with high durability solar modules,
- Long run luminaries and zero / low maintenance battery.
- Environmental Free lighting solution.
- Dusk Dawn operation, PIR Motion control operation / Mobile operated options.
- Significant cost savings by eliminating electrical wires, distribution points, employing labour and doing away with digging hassles.

Available Models

LED Capacity	Model	Module	Battery	Lumens	Lighting time	Pole
12 Watts	Standard	50wp (Multi - Si)	12V, 40 Ah (Led acid)	1200 - 1500 LM	12 Hours (3 Days)	18 Feet
12 Watts	All in one	18V / 18 Wp (Mono - Si)	12V, 40 Ah (Lithium)	1200 - 1500 LM	12 Hours (3 Days)	18 Feet
15 Watts	Standard	50Wp (Multi - Si)	12V, 40 Ah (Led acid)	1600 - 1800 LM	12 Hours (2 Days)	18 Feet
15 Watts	Standard	75Wp (Multi - Si)	12V, 60 Ah (Led acid)	1600 - 1800 LM	12 Hours (3 Days)	18 Feet
15 Watts	All in one	18V / 20 Wp (Mono - Si)	12V, 10 AH (Lithium)	1600 - 1800 LM	12 Hours (4 Days)	18 Feet
18 Watts	Standard	75Wp (Multi - Si)	12V, 60 AH (Led acid)	1800 - 2100 LM	12 Hours (2 Days)	18 Feet
18 Watts	Standard	75Wp (Multi - Si)	12V, 70 AH (Led acid)	1800 - 2100 LM	12 Hours (3 Days)	18 Feet
18 Watts	All in one	18V / 30 Wp (Mono - Si)	12V, 13 AH (Lithium)	1800 - 2100 LM	12 Hours (4 Days)	18 Feet
20 Watts	Standard	75Wp (Multi - Si)	12V, 75 AH (Led acid)	2100 - 2400 LM	12 Hours (2 Days)	18 Feet
30 Watts	Standard	100Wp (Multi - Si)	12V, 100 AH (Led acid)	3200 - 3500 LM	12 Hours (3 Days)	21 Feet
40 Watts	Standard	120Wp (Multi - Si)	12V, 100 AH (Led acid)	4300 - 4600 LM	12 Hours (2 Days)	21 Feet

Who can install



Hospital



Apartments



Govt. Building



School



Hotel



Factory



Mall

Solar Water Pumping System



Features :

- Efficient use of Solar Power Monitor.
- Pressure Cut-off system.
- Current Overload Protection.
- Thermal Overload Protection.
- Dry run Protection.
- Low Power Protection.

Applications :

Agriculture and Irrigation places, especially where grid electricity is unavailable and alternative sources. Solar powered water pumps can deliver drinking water as well as water for livestock or irrigation purposes community based irrigation.

Available ranges : 1 HP to 10 HP

Solar Water Heating System



Raw materials like ABS plastic, SS, Poly urethanes are used for the production, in order to ensure longer working life to defeat all type of clate conditions in India.

The evacuated glass tube vacuum acts as a super-efficient heat trap, aluminium nitride coated heat fins absorb the solar energy.

Features:

- Green Energy, No Pollution, Eco Friendly.
- Design to perform in all season and all regions.
- Compact puff injection technique for better heat reiteration.
- Maintenance free, Zero running cost.
- Pressurized and heat exchange models also available.

Applications :

Houses, Apartments, Industries / Organizations, Educational, Institutions & Hospitals

Available

100 LPD - 10000 LPD

Our Projects



15 KW for Chidambaram Fishnets Pvt. Ltd.



Solar for Agriculture area



3 KW for Domestic



3 KW for Home at West Tambaram



5 KW in School at Chrompet



20 KW for Collage at Vellore



Few of Our Customers:

- Tamilnadu Police Housing Corporation
- Aavin, Chennai
- Chidambaram Fishnets Pvt. Ltd. Chennai
- Priyadarshini Engineering College, Vaniyambadi
- AVIT College of Technology, Chennai
- SCS Matriculation Higher Sec. School, Chennai

Register Address:

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