



Rajyog Solar

Credible

SOLAR ENERGY

Solutions

www.rajyogsolar.in

About Us

- **Our Vision** : Enable households without reliable electricity to attain the same quality of life as those with electricity by providing clean and safe electricity.
- Founded in 2012
- We provide highly energy efficient and eco friendly products to enhance the standard of living.
- With our wide business network, we are able to provide all varieties of solar products.
- Our products are known for its durability, excellent performance & smooth operations.
- We support green energy mission.
-

Why Rajyog Solar

- Timely deliveries
- Dedicated workforce
- Ethical business policies
- Best business practices
- Optimum quality of our solar products Tie-ups with renowned manufacturers
- Reasonable prices
- Expert team of professionals

Our Products



1) Grid Connected Rooftop Solar Power Plant



2) Off Grid Rooftop Solar Power Plant



3) Solar Water Pumping System



4) Solar Water Heating System



5) Solar DC LED Home Lighting System



6) Solar Street Light System

Grid Connected (On Grid) Roof Top Solar Power Plant

Grid connected or On Grid roof top solar power plant is electricity generating Solar PV power system that is connected to the utility grid.

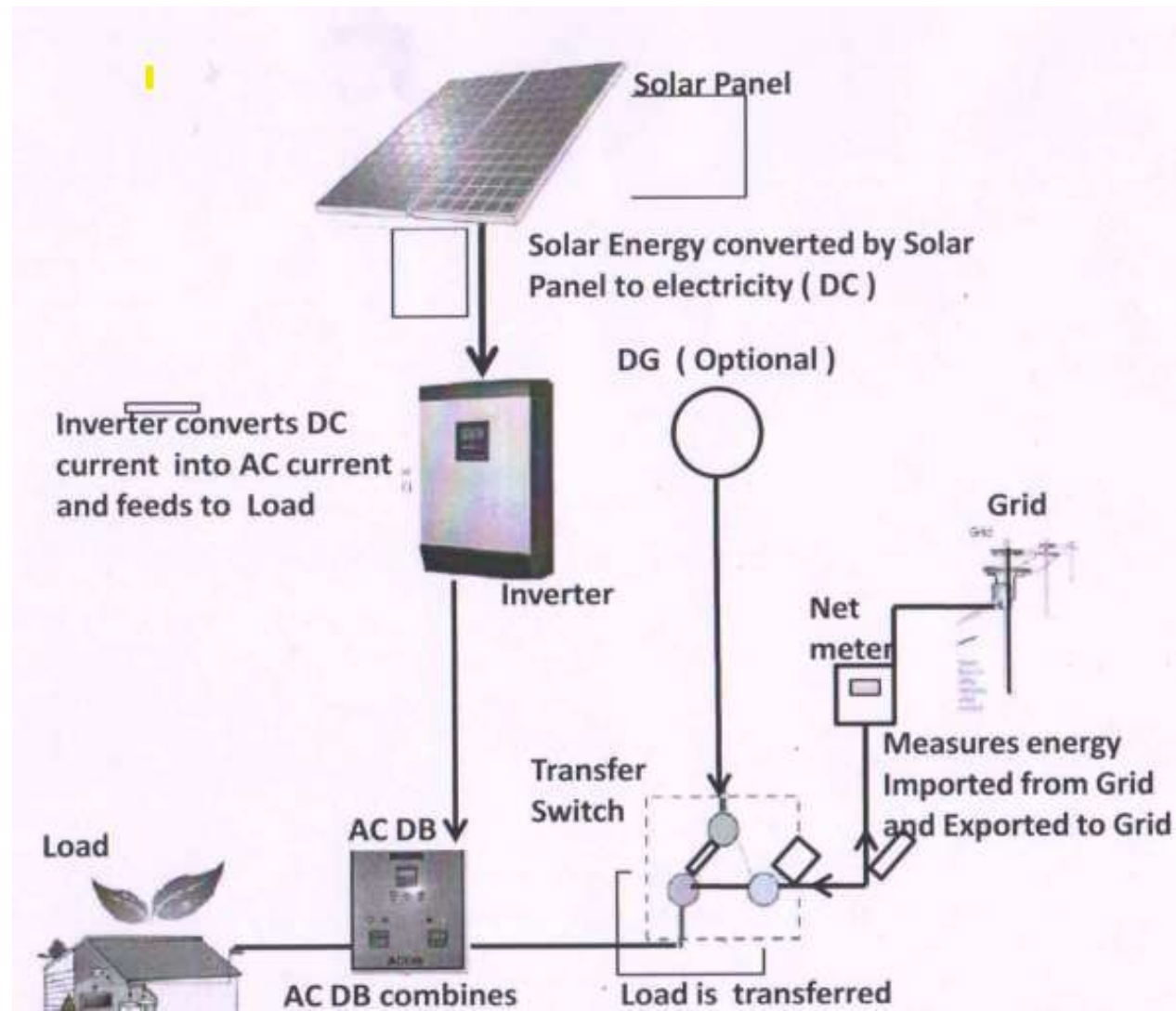
A grid connected PV system consists of solar panels, one or several string or central solar inverter, DC,AC Protections, Bi-directional Net meter etc.

They range from small residential and commercial roof top systems to large utility-scale solar power feeder. This system meets electricity demand of customer, and it feeds excess power into grid when there is low or no-load conditions.

This excess energy fed to the grid or energy required during night hour's measures by Bi-direction meter which is called as net-meter. Since power is banked in the grid during day hours so no battery required for storage



WORKING OF SOLAR GRID CONNECTED SYSTEM



As no use of battery its saves battery cost as well as battery maintenance cost.

MNRE/MEDA subsidy available for Individual Residential or Society customers, NGO's, Trust Hospital's and Trust Institute which is eligible for MNRE/MEDA Criteria.

Tax Saving benefit through accelerated depreciation for Industrial or commercial customers.

Low maintenance and Long life of the plant.

Initial investment recovers in minimum duration i.e. ROI is high.

Eco-friendly solutions, it does suppose to produce clean energy.

Complete solution at one roof.

FEATURES

Off Grid Roof Top Solar Power Plant

Off Grid roof top solar power plant is electricity generating Solar PV power system that stored electricity into battery during sunshine hours. This stored electricity can be used as backup energy during load shading hour's .This system is also called as standalone PV system.

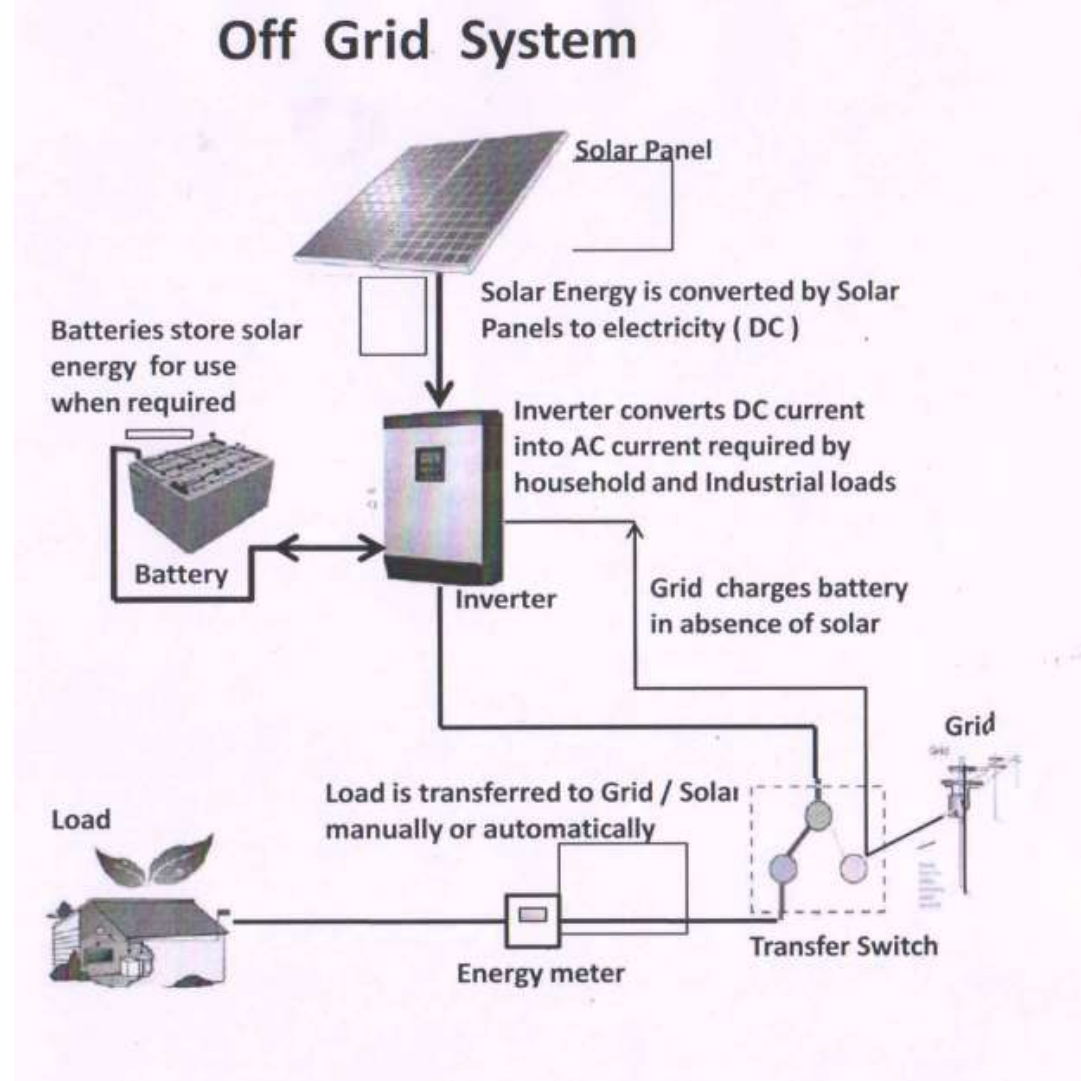
This PV system consists of solar panels, off grid solar inverter or power conditioning unit, DC, AC Protections and Load distribution box etc.

An off grid solar system must be designed appropriately so that it will generate enough power throughout the year and have enough battery capacity to meet the home's requirements even when cloudy days or less sunny hour's in the winter.

The high cost of batteries means off grid systems are much more expensive than on grid systems and so are usually only needed in more remote areas that are far from the electricity grid.



Off Grid System



WORKING OF SOLAR OFF GRID SYSTEM



No access to utility grid.



Become energy self
sufficient.



Eco friendly solutions, it
does suppose to produce
clean energy.

Features

SOLAR DC LED HOME LIGHTING SYSTEMS (Li-Ion Battery)

This system is available in various capacities and consists of with Solar PV Module, Charge Controller, Li-Ion Battery, LED BULB and DC Fan.

Salient features are

- 1) Long life and maintenance free Li-Ion Battery.
- 2) Micro-controller based MPPT Technology for optimum usage of Solar Energy.
- 3) Efficient and CCCV Charging technology for longer battery life.
- 4) Compact and in-built battery pack systems with robust aluminium extrusion casing.
- 5) Plug and play solutions with all in-built protections provided.
- 6) In-built mobile charging facility with connector.



Solar Water Heating System:- (Domestic & Industrial)

Solar Water Heating System consists of Evacuated tubes or Collector plate to collect solar energy and an insulated storage tank to store hot water. So this collected solar energy used to heat the circulated water thorough tubes by using thermo siphon phenomenon and stored into storage tank.

100 LPD Solar water heating system can replace electric geyser for residential use and save 1000-1500 units electricity annually.

Solar water heater system consists of Hot water storage tank, Evacuated Tubes or Collector Panel, Stand, Insulation and Outer cover or casing. Solar water heating systems available from 100 LPD to 500 LPD and multiple of them.



Features



HUGE SAVING IN
ELECTRICITY COST.



24 HOURS WATER
SUPPLY.



LOW MAINTENANCE
AND LONG LIFE OF THE
SYSTEM.



INITIAL INVESTMENT
RECOVERS IN
MINIMUM DURATION
I.E. ROI IS HIGH.



ECO-FRIENDLY
SOLUTIONS, IT DOES
SUPPOSE TO PRODUCE
CLEAN ENERGY.



COMPLETE SOLUTION
AT ONE ROOF.

Few of Our latest Installations



On grid solar power plant, Metro Hospital, Pune.



Off grid solar power plan ,Crystal Electrodynamix ,Pune



Pharate Patil Petroleum, Shirur

Few of Our latest Installations -2



Gitai Petroleum, Shirur



Talkute Associates, Baramati

Few of Our latest Installations -3



Solar Water Heater , Kharadi Pune



Solar Water Pump , Mulshi



Activity :				
86*****41	Meter No.:	055-X1021218	Seasonal :	N
52 LT-II A	Connected Load (KW):	20.00 KW	Urban/Rural Flag :	U
3.00	50% of Con. Demand(KVA) :	1.50	Feeder Voltage (KV) :	11
20.00		Load Shed Ind : N		
4635021	PC-MR-ROUTE-SEQ :	00-17-6741-3835	BU :	4635
		PC :	00	
ion :16-01-2009		Category :	LT COMM < 20KW	GSTIN :
LT		Elec. Duty :	06	PAN :
lth) :		Prev. Highest Bill Demand (KVA) :		
Held 20,000.00		Addl. S.D. Demanded Rs : 00.00		
Rs. 0.00		S.D. Arrears Rs. : 00.00		

BILLING HISTORY		
Consumption (Units)	Bill Demand (KVA)	Bill Amount
0		0403.00
0		0403.00
0		0403.00
0		0403.00
0		0403.00
0		0403.00
0		01,505.10

CUSTOMER CARE Toll Free No.

1912, 1800-102-3435, 1800-233-3435

Rule & Procedure for Consumer Grievances Redressal is available at www.mahadiscom.in>consumer portal>CGRF Instead of Printed bill , register for E-bill and avail Rs. 10 per bill as a "Go-green " discount.For registration visit at www.mahadiscom.in->consumer portal->Quick access->Go-green request

SAMPLE ELECTRICITY BILL POST SOLAR INSTALLATION

CURRENT CONSUMPTION DETAILS

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current 31-03-2021	23095.600	23709.600	2396.500	1091.700	10.000	10.080
Previous 28-02-2021	20918.500	21502.500	2129.000	1057.400		
Difference	2177.100	0.000	0.000	34.300		
Multiplying Factor	1.000	1.000	1.000	1.000	1.000	1.000
Consumption	0.000	0.000	0.000	0.000	0.000	0.000
LT Metering	0.000	0.000	0.000	0.000	0.000	0.000
Adjustment	0.000	0.000	0.000	0.000		
Assessed Consump	0.000	0.000	0.000	0.000	0.000	0.000
Total Consumption	0.000	0.000	0.000	0.000	10.000	10.000

BILLING DETAILS

Billed Demand (KVA)	0	@ Rs.	403	Demand Charges	403.00
Assessed P.F.		Avg. P.F.	0.000	Wheeling Charge @ 01.45	00.00
Billed P.F.	0.000	L.F.		Energy Charges	00.00
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	00.00
Industrial	0	00.00	00.00	FAC @ 00.00 Ps/U	00.00
Residential	0	00.00	00.00	Electricity Duty (21.00 %)	00.00
Commercial	0	07.36	00.00	other charges	00.00
E.D. on(Rs)	Rate %	Amount Rs.		Tax on Sale @ 19.04 Ps/U	00.00
0.00	0	0.00		P.F. Penal Charges/P.F. Inc.	00.00
00.00	0	0.00		Charges For Excess Demand	00.00
403.00	21	0.00			
TOD Zone	Rate	Units	Demand	Charges Rs.	Debit Bill Adjustment
					00.00
					TOTAL CURRENT BILL
					403.00

2200 Hrs-0600 Hrs	00.00	0	9.00	0.00	Current Interest 15-04-2021	00.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	00.00	0	7.00	0.00	Principle Arrears	-4,777.25
0900 Hrs - 1200 Hrs	00.00	0	0.00	0.00	Interest Arrears	00.00
1800 Hrs-2200 Hrs	00.00	0	10.00	0.00	Total Bill (Rounded) Rs.	-4,370.00
Amount in Words	ONLY				Delayed Payment Charges Rs.	0.00
					Amount Payable 03-05-2021 After	0.00
					Amount Rounded to Nearest Rs.(10/-)	

SOLAR NET METER CONSUMPTION DETAILS

SOLAR TARIFF	IMPORT			EXPORT			GENERATION		
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	12,532.30	11,324.40	1,208.00	00.00	00.00	00.00	00.00	00.00	00.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	3,539.50	3,232.60	307.00	19,233.20	17,913.20	1,320.00	1,27,518.20	1,25,423.00	00.00
0900 Hrs - 1200 Hrs	169.50	168.40	01.00	12,121.00	11,346.80	774.00	00.00	00.00	00.00
1800 Hrs-2200 Hrs	6,854.30	6,193.10	661.00	03.10	03.10	00.00	00.00	00.00	00.00
TOTAL	23,095.60	20,918.50	2,177.00	31,357.30	29,263.10	2,094.00	1,27,518.20	1,25,423.00	2,095.00
Offset: 2,177.00		Prvious Banked: 6,332.00		Current Banked: 6,249.00			Billed: 00.00		

SAMPLE ELECTRICITY BILL POST SOLAR INSTALLATION



Tel : 9359425885/9021377976



Address : Office no. B-43,
Chourang Smit Shilpa,
Mahadevnagar, Near A.M.
College, Manjari,
Pune, Maharashtra



Email : info@rajyogsolar.in
service@rajyogsolar.in
sales@rajyogsolar.in



Website: www.rajyogsolar.in

Contact Us