



Contact Us:



## **VRM Energy Consultancy Services Private Limited**

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## ABOUT VRM ENERGY:

VRM Energy Consultancy Services Private Limited also known as “VRM Energy” the fastest growing company in the renewable energy sector. VRM Energy is a leading integrated solar energy solutions company based in bangalore, India with expertise in the solar industry, project management, information technology, civil & environmental engineering.

VRM Energy is engaged in solar power generation, consultancy and EPC Contracts for Renewable Energy Power Projects, Solar PV Installations (**kWp to MWp**) and supply of Electrical & Electronic Equipments. It is being promoted by well-known experts in the fields of engineering, science, climate change, social sciences and policy making.

## VRM ENERGY EXPERTISE:

### Design, Detailed Engineering, Procurement and Construction for

- § Grid Interactive Solar PV Power Plants
- § On & Off Grid Solar PV Roof Top Installations in kW
- § Operation and Maintenance

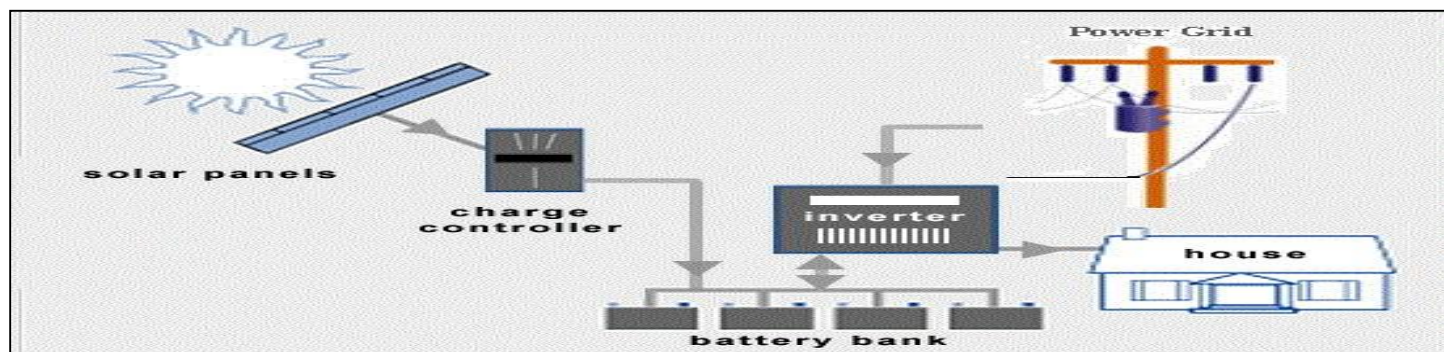


## ROOFTOP ON GRID / OFF GRID SOLAR SYSTEM:

Solar Rooftop System can be installed on the roof of the house / industry / schools / colleges, etc. The system can be installed on land as well. This system is highly eco friendly. The main objective of installing this system is to **reduce the electricity bills drastically**. Also it helps in reducing your dependence on non-renewable source of energy like diesel, gas, coal, etc.

### How does solar system works?

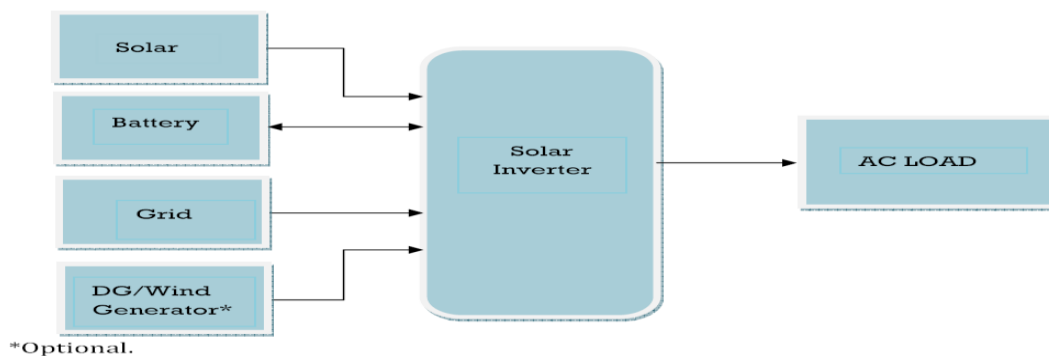
- § Sunlight is converted into DC form of electricity by solar panels
- § This DC electricity can be stored in the battery for back up purpose
- § This DC electricity is converted to AC form of electricity by solar inverter
- § This combined electricity of solar and grid will be given into the load from the control panels. Hence no change in wiring is required in the organization internal setup.
- § The grid in this case acts as a back up to the rooftop grid tied solar system. In case of power failure, D.G. set can act as a back up or reference to the system.



## How does VRM Energy solar system different from others?

- § Materials are branded, tested and guaranteed
- § Projects are commissioned by highly qualified & experienced team with more than 25 years of cumulative experience in Solar PV Projects
- § Strong domain expertise in solar photovoltaic technology.
- § One of the Best manpower in the Solar Sector
- § Swift response to client needs

## Typical Solar PV Configuration:



## VRM Energy – Solar Power Systems including battery backup:

Particulars	250 Wp	500 Wp	1000 Wp	Make
Solar Panel Wattage	250 Wp * 1 no's	250 Wp * 2 no's	250 Wp * 4 no's	Empire / HHV
Battery Rating	12 V, 150 Ah * 1 no's	12 V, 250 Ah * 1 no's	12 V, 150 Ah * 2 no's	Exide / Amararaja
Inverter Rating	850 VA * 1 no's	1000 VA * 1 no's	1000 VA * 1 no's	AEG / Satcon
Mounting Structures with hot dip galvanized	25 kg * 1 no's	25 kg * 1 no's	150 kg * 1 no's	VRM Energy
MCB	32 A * 1 no's	32 A * 1 no's	32 A * 1 no's	Legrand
Cable	45 m	45 m	45 m	Finolex
Required area	Max 05 Sq. m	Max 08 Sq. m	Max 16 Sq. m	
Power backup (4 - 6 hrs)	Tube light (2 no's) Fan (2 no's)	Tube light (3 no's) Fan (3 no's) TV (1 no's)	Tube light (4 no's) Fan (4 no's) TV (1 no's) CFL (4 no's) Computer (1 no's)	VRM Energy
Warranty	The warranty for the item sold is as per the respective manufacturer			
Project Cost <i>(The said project is exclusive of TAX &amp; Transportation Charges)</i>	Rs. 48, 000	Rs. 85, 000	Rs. 1, 60, 000	

## Benefits:

- ✓ 30% MNRE Capital Subsidy of the total project cost
- ✓ 80% Accelerated Depreciation benefits available on first year
- ✓ 60 – 70% reduction in Electricity Bills through solar installation
- ✓ 1 kW solar power can displace 500 liters of Diesel every year
- ✓ Can Avail REC Benefits above 250 kW grid connected
- ✓ Can Avail carbon credits
- ✓ Free electricity from Solar installation after 4 – 6 years



**VRM Major Clients:**



**Sample Solar Photos:**

