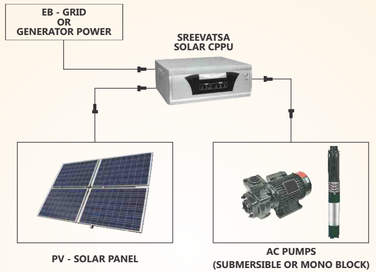
SREEVATSA SOLAR PUMP SYSTEM

Available model for 3HP, 5HP, 10HP



- Water pumped even in morning, evening and in less sunny weather at low speed / flow
- You can use existing pump setup
- Can be used for both Monoblock or Submersible pumps
- Uses Maximum Power Point Tracking Technology to maximize water delivery at various solar energy levels

Options

- Solar or grid power selection
- Dual Input (Solar + Grid) Preferential Logic
- Sreevatsa control panels for pumps CP-3HP, CP-5HP, CP-10 HP
- The control panel can be used for the AC Pumps
- The control panel can be used for the solar power without battery or the grid power

SREEVATSA SOLAR CLEAN ENERGY

SOLAR ROOF TOP FOR HOMES

Roof top system enables generation of green power for homes. Now join the increasing number of people who are reducing the carbon footprint of the globe and are helping reduce effects of global warming. Roof top solar systems help reduce your energy bills and assures uninterrupted power supply.

SREEVATSA SOLAR CLEAN ENERGY

SOLAR ROOF TOP FOR OFFICES

Reduce dependence on grid power, reduce diesel consumption, reduce green house gases, reduce energy bills to a considerable extent while effectively using rooftop spaces to generate solar power while you continue to use floor space on the terrace. Sreevatsa Rooftop Solar Systems for commercially integrate aesthetics with functionality to deliver optimum use of space.

SREEVATSA SOLAR CLEAN ENERGY

SOLAR CAR SHED / SOLAR POWER PLANT FOR PUMPS

Sreevatsa Solar System integrates a DC vehicles charging dock with a car shed to provide you a functionally designed structure that plays the dual role of being a car shed as well as a charging dock for battery operated cars, scooters, cycles etc. This system eliminates harmonics pollution caused by battery vehicle chargers with assured power available throughout the day.

1.5 KVA / 1 Kilowatt
Sreevatsa Comfort

Electrical Load	Qty	Power (In Watts)	Total (In Watts)
Fan	4	60	240
Light	6	28	168
TV	1	60	60
Computer, Mobile charges	1	60	60
Washing Machine (without heating / Mixie / Grinder	1	250	250
Water Purifier / Chimney	1	40	40

Note: Alternately you may use other small power equipments.

2 KVA / 1.5 Kilowatts
Sreevatsa Supreme

Electrical Load	Qty	Power (In Watts)	Total (In Watts)
Fan	6	60	360
Light	8	28	224
TV	1	60	60
Computer, Mobile charges	1	60	60
Washing Machine (without heating / Mixie / Grinder	1	250	250
Water Purifier / Chimney	1	40	40

Note: Alternately you may use other small power equipments.

- **CUSTOMIZE DESIGN** can be furnished to incorporate additional electrical loads like Refrigerator, Induction Cooker etc.

www.sreevatsasolar.com

Sreevatsa Solar
Home & Office Solutions

2 KVA / 1.5 Kilowatts
Sreevatsa Office

Electrical Load	Qty	Power (in watts)	Total (in watts)
Fan	5	60	300
Light	5	28	140
Printer	1	100	100
Computer, Mobile Chargers	8	60	480
Water Purifier / Chimney	1	20	20

Note: Alternately you may use other small power equipments

Sreevatsa Solar

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Coimbatore Solar Energy Solutions (P) Ltd

NOW ON, YOU WILL WISH IT BE A SUNNY DAY EVERYDAY. SREEVATSA SOLAR WILL ENSURE THAT THE LIGHTS DON'T GO OFF EVER AGAIN.

With increased pressure on traditional power generation and continued widening of gap in demand-supply of state supplied grid power, more and more homes and businesses are finding renewable energy resources to address power shortfalls. The use of solar energy to narrow the gap is finding favour as technologically superior systems for solar power generation have become available and is a suitable and viable option for grid energy. The abundance of solar energy, its reliability as a continuous and sustained resource, its clean, zero emission characteristics and predictable pricing is increasingly ensuring its adoption among users.

Solar systems installed in homes and offices can effectively be used in lieu of grid energy giving such spaces independence from having to rely heavily on grid power.

Further more, installing solar systems demonstrates environmental concerns, leadership, social responsibility and mitigates pressures of grid power generation by the state. It is a versatile fail-proof alternative, eternally sustainable and economically prudent... as sure as the sunrise every morning... if we may say so.

.SOLAR. .POWER. .ENERGY.

IT FEELS GOOD TO HARNESS ENERGY OFF THE ROOFTOP.
REDUCE CARBON EMISSION - BE ENVIRONMENT FRIENDLY.

Sreevatsa Solar

Sreevatsa Solar purports to deliver technology and service that will change the way solar energy will be harnessed and distributed into offices and homes. Sreevatsa Solar realizes that the success of this technology is in the quality of service that is delivered. Elaborate post-installation service will ensure that the solar installations work to optimum capabilities leaving little or no room for disruptions.

Sreevatsa Solar systems and services are developed to ensure that solar energy is a meaningful source of energy, ensuring maximized production and sustained investment returns.

Sreevatsa Solar ensures delivery of 'best-in-class' solar products with a firm commitment to technological superiority. Customer goals for energy production will be diligently processed and optimum performance will be delivered at the most cost effective market prices.

SREEVATSA SOLAR COMES WITH A STAMP OF EXPERTISE

Sreevatsa Solar is a pedigree system that builds in the cumulative experience of experts who bring the table rich and valuable expertise in setting up infrastructure projects, electrical applications and managing large scale public infrastructure, especially in the field of power generation and distribution.

SREEVATSA SOLAR INVERTER

Sreevatsa Solar Central Power Processing Unit(CPPU) is a high end inverter with latest technology Synchronized Power Conditioning Program. The CPPU will compare the solar panel charging current with a pre-programmed battery charging current.

At any point in time, if the load required for consumption is lower than the power generated by the solar panel, the balance generated power is used to charge the batteries. The process is continuous and fully synchronized. Hence, whenever the current units generated by the solar panels increases or decreases the CPPU immediately adjusts the AC grid charging current, thereby consuming the solar generated power completely and minimizing grid power usage.

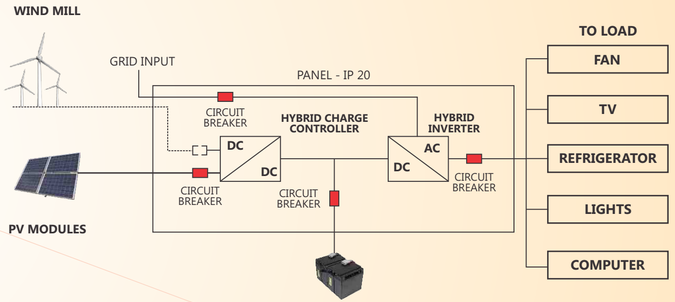
This will make sure that batteries are always charged with required charging current, by only utilizing the specific needed AC Grid power.

Once the DC Grid reaches Present Higher Cut off Voltage Sreevatsa Solar CPPU will Transfer the Load from AC Grid to inbuilt Solar Inverter without any interruption (Less than 2ms). When the Batteries reach the Present Lower Cut off Voltage the Sreevatsa Solar CPPU will restore the Load into AC Grid without any interruption.

Parameters	Specifications						
	1 KW	2 KW	3 KW	4 KW	5 KW	7 KW	10 KW
Inverter Model	INV SW - Pure Sinewave						
Charge Controller	PWM						
BATTERY							
Voltage	24V DC	48V DC				96V DC	
Max. Grid Charging Current upto	10A	10A	10A	10A	10A	10A	10A
Type of Battery	SMF / Lead Acid Wet Cell						
OUTPUT							
Power Capacity	1 KW	2 KW	3 KW	4 KW	5 KW	7 KW	10 KW
Load Power Factor	0.8 Lag to Unit						
Voltage / Frequency	230V AC, Single Phase, 50HZ						
Regulation	+ / - 3%						
Voltage Distortion	<5% at Linear Load						
Grid Tracking Voltage / Frequency	110V - 275V, 50 HZ (+/- 3 HZ)						
Over Load	125% for 4 minutes and 150% for 1 minute						
Peak Efficiency	Between 85% and 91%						
Operating Modes	Stand alone & Offline						
Environmental							
Operating Temperature	0° to 40° C						
Storage Temperature	-10° to 55° C						
Relative Humidity	Upto 95% RH Non-condensing						
Acoustics Noise	<55 Db						
IP	IP 20						
Cooling	Forced Cool						
Dimensions W X D X H (mm)	372 x 122 x 195	450 x 230 x 410				555 x 760 x 720	
Weight in Kg (approx)	12	25	28	43	53	67	79
LCD Display	In-built						
As per Standard	IEC 62040 - 3						

Salient Features: **Easy to Install ● High Efficiency ● Highly Reliable ● Low Total Harmonic Distortion ● Transfer time Less than half cycle ● Specialized Design to meet our climate / operating condition ● High Surge handling capacity upto 300% ● Auto Reset on Battery Low trip ● Polarity Reverse Protection ● Thermal Protection ● Easy to understand Audio and Visual Indication ● User friendly LCD Display ● RS232 Interface optional ● Pure Sine Wave**

SREEVATSA SOLAR SYSTEM POWER CONDITIONING UNIT



Specification and sizes subject to change without prior notice

Applications

Electrification of Homes In All Areas | Office Lighting
Hospitals | Small Shops | Resorts | Farm House | Education Institutions