



Vensai Solutions
Specialist in Power Electronics



Manufacturers and Suppliers of Solar Power Products, SMPS, DC DC Converters and Embedded Systems



About Us

Vensai Solutions is based at Thane, Maharashtra, India. Established in 2013, we are one of the fast-emerging Manufacturers, Exporters, Suppliers of a vast assortment of high-quality Solar and Power Electronics Products in the brand name of V-SOL. The products manufactured by us conform to the prevailing industrial quality standards. They are available to clients in sealed and efficient packaging. Our products are highly affordable and easy on the client's budget. They are well praised for their durability due to which they can be used for long time periods. We are committed to develop long-term relationship with our clients. Right since the start, our priority has been to deliver high quality products to our clients at affordable price. We are constantly on our toes to deliver quality products to clients and satisfy them.

Solar Charge Controller MPPT & PWM



Charge Batteries with or without Dusk Dawn Operation

- **MOSFET & IGBT TECHNOLOGY**
- **For LFP, Lithium and Lead acid Batteries**
- **From 12V to 720V DC**
- **From 5A to 120A DC**
- **Dusk Dawn or Normal Output**
- **Optional Wifi Remote Monitoring**

Solar Mate (Solar Converter)



Convert your existing Inverter to Solar PCU

- **MOSFET & IGBT TECHNOLOGY**
- **For LFP, Lithium and Lead acid Batteries**
- **From 12V to 120V DC**
- **From 20A to 120A DC**
- **LCD Display will Show All eight Parameters**
- **Optional Wifi Remote Monitoring**



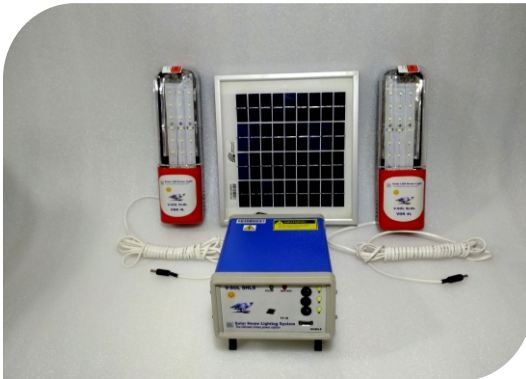
Solar Responder



For DC Load Application with Solar Priority Grid Charging

- **Built in Solar Priority Grid Charger**
- **For LFP, Lithium and Lead acid Batteries**
- **From 12V to 24V DC**
- **From 5A to 40A DC**
- **Dusk Dawn or Normal Output**
- **Grid Charger from 3A to 10A**

Solar LED Home Light



Portable Solar Power Station

- **With 1 to 5 Lamp flexible Option**
- **For LFP, Lithium and Lead acid Batteries**
- **From 7.2V to 48V DC**
- **Available With Table Fan**
- **Mobile Charging Port to Charge Android Phone**
- **Available with DC Bulb and DC Tube Lamp**

Solar LED Street Light Luminary



With Intelligent Power Management Options

- **Branded High Performance LEDs**
- **With MPPT and PWM Charge Controller**
- **11.1V, 14.8V, 12V and 12.8V**
- **From 12Watts to 50Watts**
- **Panel Option from 40Wp to 250Wp**
- **Pre Dispatch Programmable Power Mgmt.**



Solar LED Bulb and Tube Lamp



Suitable for DC Application with Battery

- **Bulb Model Available in 3Watts and 5Watts**
- **Tube Model Available in 10Watts and 20Watts**
- **From 12V to 48V DC**
- **For LFP, Lithium and Lead acid Batteries**
- **B22 Holder Base**
- **High quality LED for long life**

Solar Mobile Charger



Solar Mobile Charger will Charge when exposed in sun

- **No battery inside so maintenance free**
- **Suitable for most of the Android Mobile Phone**
- **Built in High Efficiency driver**
- **Can Charge Power Bank**
- **Available in 2Watts to 10Watts**
- **Plug and Play very easy to use**

Solar Pump Controller



Run water pump from Solar Power no Battery required

- **Suitable for existing Motors**
- **Available in 1Phase and 3 Phase**
- **Capacity Range 1.5Hp to 10Hp**
- **LCD Display for parameters**
- **Optional Manual switch for Grid Operation**
- **On Demand Auto Change over**



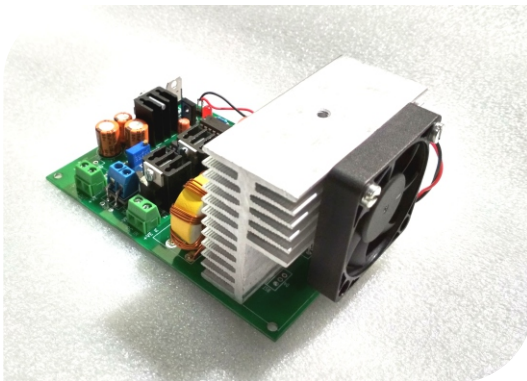
SMPS (Switch Mode Power Supply)



Available with Enclosure and Open frame

- High Performance Controller based design
- Output Voltage Range 5V,12V and 24V
- Output Current 2Amps to 10Amps
- In built Short circuit shutdown
- Output over load protection
- High end noise filters for special application

DC DC Converter



Available in Both Voltage UP and Voltage Down model

- Special High performance controllers
- Voltage range from 12V to 120V
- Current Range 1Amps to 20Amps
- Output with or without Isolation
- Output with Noise filter for critical application
- Industrial grade design

Solar Street Light Controller

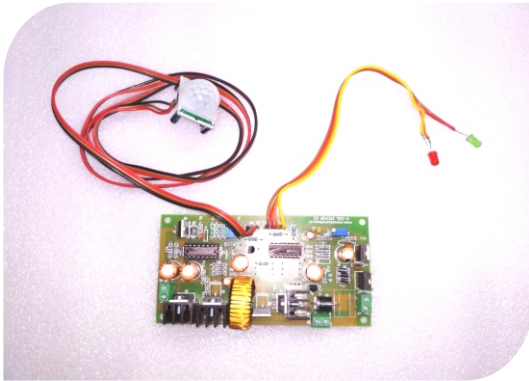


Available in Open frame to fix inside luminary

- PWM Based Design
- Suitable for Luminary Up to 24W
- Panel Capacity Range Up to 60W
- Optional PIR Sensor model available
- Power Mgnt. Option to save Battery size
- Dusk Dawn Operation



PIR Solar Street Light Controller



Available for LFP, Lithium Lead acid Batteries

- High Performance Controller based design
- For 12V or 24V System
- Output Current 0.5Amps to 5Amps
- Driver Voltage Up to 36V
- PIR Sensor Based design
- Dusk Dawn Operation

E Bike Charger



Available in with or without Enclosure

- Voltage Range from 12V to 60V
- Charging Current Range 1Amps to 10Amps
- Battery Level Indicator for Charging Status
- Optional LCD Display
- Optional Bluetooth or wifi remote Monitoring
- Industrial grade design

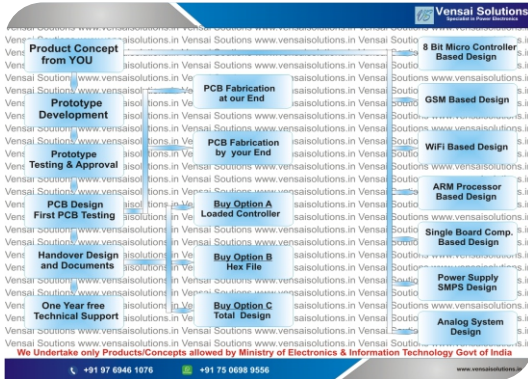
Solar Power Plant Installation



Standalone and Grid Connect System

- EPC (Engineering Procurement Construction)
- Form 1KW to MW
- Grid Connect System Installation
- Micro Grid Installation
- Standalone Off Grid Installation
- Residential and Commercial Installation

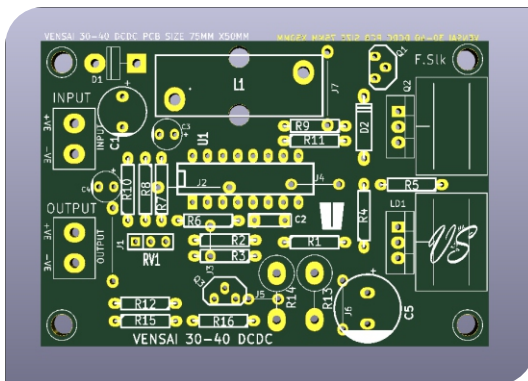
New Product/Embedded System Design



From Design Concept to Prototype Development

- **New Product Design from Scratch**
- **Latest Technology Micro Controllers**
- **GSM or Wifi Based Design**
- **ARM Processor Based Design**
- **Raspberry Pi Based Design**
- **Analog System Design**

PCB Layout Design



For Simple to Complex Design

- 1 From Circuit Diagram to PCB Layout
- 2 Single Layer PCB Design
- 3 Double Layer PCB Design
- 4 Up to 16 Layer Design
- 5 Gerber File for PCB Production

Electrical Energy Audit



For Residential and Commercial

- **Help to reduce your energy bill**
- **Increase the Security for your Grid Connection**
- **Helps to Increase Life span of Equipment**
- **Reduce the Consumption of Natural Resources**



Our Vision

We aim to be the leading provider of knowledge-based asset integrity services focusing on the power electronics sector. By harnessing the power of a renewable source of energy, we aim to be the key player in the market engaged in the designing of a solar power plant. Our desire is to provide the clients with optimum end user satisfaction while simultaneously maintaining harmony with nature. We aim to achieve this through our superior-quality solar products which promise to reduce the client's electricity bill by a substantial amount. They are inexpensive and Eco-friendly. They provide excellent service for long periods of time.

Our Mission

We help our clients to reduce risk, assure safety, value of money and improve environmental performance. Our solar products are easy to install and require minimal maintenance. They come with the guarantee of optimum service provision and work efficiently for long time durations. They provide good value for money and require minimal investment. Our products are safe and carry no risk of short-circuits due to overheating. What's more, they are environment-friendly and help maintain ecological balance.

Our Products work at

Indian Railways, Indian NAVY, Indian Oil, CPCL, BARC, TTD, Indian Institute of Technology(IIT), Samsung, Mahindra Susten, Light Houses, Indian Ports, Marine, Shree Cement, MCGM, Network Tech Lab, traffic Signals, Solar Water pumps, Plant Automation, Public Mobile Charging Station, Agro Data Collection, Petrol Pumps, Solar Cars, Solar Van, Solar Boats, Solar Buses, Hospitals, Security Systems, Schools, Solar Rickshaws, Green House, Forest Surveillance, Solar Projector and many more...



Vensai Solutions

Shop No.6, Bldg No.D2, Unnathi Woods, Phase-IV
Behind New Horizon School, Anand Nagar,Kavesar,
Ghodbunder Road,Thane West 400 615.
Maharastra, India.
Ph +91 97 6946 1076 / +91 75 0698 9556

e-mail

For Products
For Technical
For Design

info@vensaisolutions.in
ssb23@vensaisolutions.in
design@vensaisolutions.in

vensaisolutions@gmail.com
tech@vensaisolutions.in
sales@vensaisolutions.in

 +91 97 6946 1076

 +91 75 0698 9556

 www.vensaisolutions.in

