



PRASIDDHI SOLAR Pvt.Ltd.
Harnessing the power of Sun...

Invest once. Rejoice forever.



www.prasiddhisolar.com



An emerging name in the Indian solar market, **Prasiddhi Solar Pvt Ltd** offers an array of renewable energy related products with international standard quality and performance. Backed by a superior product range and vastly experienced team, we are fully adept to cater to your renewable energy requirements ensuring complete customer gratification.

Based out of Bangalore, Karnataka, Prasiddhi was set up by a group of solar industry veterans. The founders have a collective experience of over 15 years, in Techno Sales and Operation Expertise in solar industry. A MSME approved company, we are unique in establishing a dedicated dealer network to serve local solar market in all parts of India. A majority of our business comes from selling small solar home lighting systems in rural parts of India, and big SPV off-grid, on grid, solar water heaters, UPS and energy efficient appliances in semi-urban and urban parts of India.

Our comprehensive range of products and services aim for complete customer delight. To achieve this, we handhold you through every step in the process that includes pre-investment consultation, feasibility study, energy audits, detailed project report, guidelines to attractive financing alternatives, installation & testing, assured after sales service and cost-effective annual maintenance contract. With our sales & service centers, and dealer network strategically spread across, we offer prompt, economical, and reliable services to ensure exceptional customer satisfaction.

Our Vision is to encourage renewable energy utilization by citizens in their day-to-day lives, by innovating, manufacturing and supplying useful, affordable and efficient renewable energy related products.

Our Mission is to provide high quality, efficient, affordable, and hassle-free renewable energy products, backed by effective after sales services, to ensure high customer satisfaction. Also, to contribute in Nation Building by encouraging citizens to utilize renewable energy on a daily basis and therefore help reduce carbon footprint for sustenance of healthy life on the planet.

Product Range



Thermal Projects

- ▶ Available with ETC & FPC System
- ▶ Suitable for Hospital, Hotel, Hostel & all Industrial applications
- ▶ Available from 1,000 LPD to 1,00,000 LPD Capacity (Non-pressurized / Pressurized)
- ▶ More Durable Stainless Steel / Silicon Enamel Coated inner tank for hard water
- ▶ Superior quality 50mm high density PUF insulation to retain Hot Water
- ▶ 7 Tank processed MS Powder Coated Structure
- ▶ High efficient & durable copper collector
- ▶ CPR*- Pressurized systems for better shower & less wastage of water
- ▶ CPRH*- Pressurized heat exchanger model for hard water & higher pressure



Air Source Heat Pump

- ▶ Robust design
- ▶ 24/7 hot water
- ▶ Suitable for both domestic and commercial applications
- ▶ Can be combined with solar collector
- ▶ Swimming Pool Heating Solution



Street Light

- ▶ Flexible design based on the requirement
- ▶ Very low maintenance
- ▶ 100% stand alone
- ▶ Cost-effective

Solar Roof Top On-Grid (Net Metering/Gross Metering) Systems



WORKING PRINCIPLE:

The whole system mainly comprises of:

- ▶ Solar PV Module (SPV Array)
- ▶ Solar PV Module Mounting Structure
- ▶ Grid Tied Inverter
- ▶ Solar PV Modules generates DC electricity in proportion to the amount of sunlight available, generating the most power on a clear day when the sun is at a normal to the Solar PV Modules.
- ▶ These Solar PV Modules are connected in series and parallel to form a Solar Array based on the voltage requirement of the inverter selected.
- ▶ The Solar PV Array is mounted on the Module Mounting Structure (MMS), which are oriented towards the south and tilted at an angle which is optimum based on the latitude of the location.
- ▶ The DC power produced from Solar Array is fed to a grid connect inverter. The Grid connected Solar Inverter will convert DC to AC and export the power to the Utility Grid.

RETURN ON INVESTMENT FOR 1MW:

- ▶ Investment for 1MW = INR 4,00,00,000.00/-
- ▶ Unit generation per year = 14,60,000.00
- ▶ Unit rate = INR 7/- per unit
- ▶ Savings per year = INR 1,02,20,000.00/-
- ▶ ROI without depreciation benefit = 4 years
- ▶ ROI with depreciation benefit = 3 years

Key Customer Installations



Mangalore & Udupi

Project Details

Enoch Trading Pvt. Ltd. Mangalore

Location: Mangalore and Udupi

Commissioned: 05/01/2019

Project Duration: 30 Days

Capacity: 100 kW

Modules: 345 Wp and 330 Wp

Inverter: 60 kW and 50 kW

Estimated daily output: 420 units

Estimated daily savings: INR 4200/-



Koteswara

Project Details

Ganesh Plastic Industry

Location: Koteswara

Commissioned: September-2019

Project Duration: 30 Days

Capacity: 100 kW

Modules: 355 Wp

Inverter: 50 kW*2

Estimated daily output: 400 units

Estimated Daily savings: INR 2,877/-



Bhatkal

Project Details

The Royal Oak Hotel

Location: Bhatkal

Commissioned: March 2019

Project Duration: 30 Days

Capacity: 50 kW

Modules: 325 Wp

Inverter: 50 kW

Estimated daily output: 220 units

Estimated daily savings: INR 2200/-



Project Details

Lucky Agency

Location: Bhatkal

Commissioned: June 2019

Project Duration: 30 Days

Capacity: 55 kW

Modules: 330 Wp

Inverter: 40 kW and 15 kW

Estimated daily output: 230 units

Estimated daily savings: INR 1840/-



Project Details

Pushpa Byregowda Choultry

Location: Nelamangala, Bangalore

Commissioned: November 2018

Project duration: 20 Days

Capacity: 35 kW

Modules: 330 Wp

Inverter: 30 kW

Estimated daily output: 140 units

Estimated daily savings: INR 1400/-



Project Details

Kammaje Industries

Location: Veerasandra, Bangalore

Commissioned: October-2019

Project Duration: 40 Days

Capacity: 54.2 kW

Power Optimiser: P730*81 Nos

Modules: 335 Wp

Inverter: 27+17 kW

Estimated daily output: 220 units

Estimated Daily savings: INR 1582/-



Electronic City, Bangalore

Project Details

Emmanuel Meadows Apartment

Location: Electronic City, Bangalore

Commissioned: July 2019

Project duration: 45 Days

Capacity: 30 kW

Modules: 330 Wp

Inverter: 15 kW and 12 kW

Estimated daily output: 126 units

Estimated daily savings: INR 1134/-



Mangalore

Project Details

St Joseph College of Engineering

Location: Mangalore

Commissioned: March-2019

Project Duration: 15 Days

Cpacity: 20 kW

Modules: 330 Wp

Inverter: 20 kW

Estimated daily output: 80 units

Estimated Daily savings: INR 763/-



Kumbashi

Project Details

Mahadev Agro

Location: Kumbashi

Commissioned: July 2019

Project duration: 15 Days

Capacity: 46.25 kW

Modules: 355 Wp

Inverter: 50 kW

Estimated daily output: 195 units

Estimated daily savings: INR 1555/-

Our Clients



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