

SUPREME

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Renewable Energy Solutions

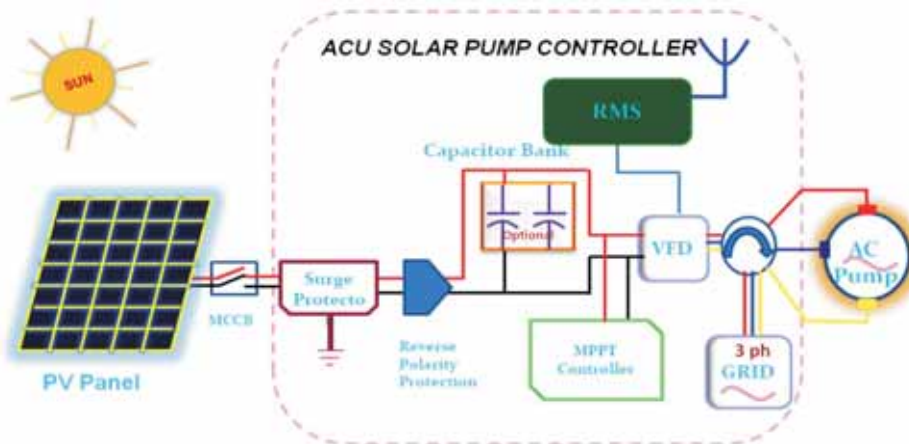
ACU SOLAR WATER PUMPING SYSTEM (IRRIGATION AND DRINKING)

Solar water pumps have emerged as a potential high impact solution to the challenges of providing sufficient irrigation and drinking water in rural regions. The system is capable of running a wide variety of electrical water pumps and can be used for applications such as irrigation and drinking water. Supreme offers an integrated solution for solar pumping systems, with our expertise in GIS-based site survey, design & supply of complete system, along with installation & commissioning. We utilize our AcuSolar controller, which has built in MPPT functionality along with remote monitoring and control capability. We also manufacture custom-designed GI mounting structures, which make the system more cost-effective, long-lasting and reliable.

Features

Controller :-

- ⇒ In-Built MPPT (Maximum power point Tracking) functionality ensures maximum output.
- ⇒ In Built safety features including dry run, reverse polarity, low voltage and lightning arrest
- ⇒ Remote Monitoring & Control through GPRS and GSM technology
- ⇒ Alarm & reporting tool for prescheduled maintenance



Solar Water Pump for Drinking and Irrigation Application :-

- ⇒ High efficiency Solar PV modules with 25 years of life
- ⇒ Galvanized iron mounting structure for long life
- ⇒ IP52 protected enclosure with in-built cooling facility
- ⇒ Grid Switch Over available to connect to Grid during poor weather condition
- ⇒ MNRE Certified Solar Pumps



Solar water Pump for Irrigation at Belgaum, Karnataka



House Hold & Drinking Application at Sonapur, Odisha

SOLAR ROOFTOP SOLUTION

Distributed solar is one of the most important trends in the power sector today. Rooftop grid tie PV systems have the potential to turn energy consumers into prosumers (Producer + Consumer). Solar rooftop systems coupled with storage can play a vital role, in situations where the grid cannot provide the level of reliability required by certain energy consumers. The aim is to utilize the rooftop area of building to decrease grid dependency and cope with the tariff increases from the utility

We at Supreme provide complete EPC solution for rooftop projects. Partnering with leading Solar PV Panel and Inverter manufacturers, we can cater to our clients requirements with kilowatt and megawatt level of projects. Supreme has expertise in Engineering, Design, Installation, Testing, Supply and Commissioning of both Grid Tied and Off Grid Rooftop PV system. We also offer our client an economically optimal rooftop model by optimizing the OPEX and CAPEX of the system along with site assessment. We have also developed a Remote Monitoring System (RMS) to monitor various parameters of the model which helps in immediate fault identification. These analytical tools also help user to schedule maintenance and avoid break down or down time of the system. Finally, for creditworthy customers with large energy requirements, we can solutions on the basis of a PPA.

Our offering Caters to

- ☞ Institutions - Schools, Hospitals, Government Office for Bodies like - Gram Panchayat, Municipalities.
- ☞ Off Grid applications for individual owners and Community.
- ☞ Large scale commercial and Industrial building (On PPA Basis)



Roof Top Solutions



3.4 kW Setup of standalone Solar PV System with seasonal tilting of structure at Bangalore



SUPREME & CO. PVT. LTD.

ISO 9001: 2008 & 14001: 2004 Certified

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