Why an MPPT Solar Charge Controller

The MPPT (Maximum Power Point Tracking) Controller is used to convert excess voltage into ampere. Converting this excess voltage into Amps, the charge voltage can be kept at an optimal level while the time required to charge the battery is reduced.

Advantages of MPPT
- Delivers more solar power – Delivers 30% more solar power from solar panels compared to Pulse Width Modulation (PWM) technology
- Reduces cost – Reduces solar panel cost by 30%
- More effective power generation – More effective solar energy generation, even during cloudy days

Su-Kam’s Solar DC System is fitted with an inbuilt 12V 10A MPPT Solar Charge Controller that charges the battery with the help of solar power from the panel by operating the panel at maximum power point voltage.

Applications
- Computer
- Televisions
- Printer
- CFL / Bulbs
- Tube Light
- Fans
- Room Cooler
- Mixer Grinder etc.

What is life without light? Power has the power to keep life on the move and bring happiness to homes and lives. Even after 60 years of independence, various parts of our country suffer from severe power shortage and long and frequent power-cuts.

From power-less to power-packed with *Ek nai j suit*

Su-Kam offers excellent service to its current and prospective clients. It has a vast, pan-India, company-owned service network. It also runs fully-equipped service vans to provide doorstep service.

Over 35 thousand systems are being supplied to UP government under the project “UPNEDA Lohiya Avas 12-13”. Each system runs 1 fan, 3 LED lights and gives provision for mobile charging.

Can be used as a low cost solution for thousands of small rural houses lighting, especially for areas where the mains availability is low or non-existent.

The Su-Kam Experience

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Service & Support:
1800-102-4423

SMEs

Builder homes

Housing societies
Su-Kam's expertise in manufacturing innovative power backup systems with its focus on R&D has continuously manufactured new products, resulting in manufacturing of a wide range of products like inverters, batteries, solar products.

The Su-Kam Solar DC System is an innovative, environment-friendly, complete home lighting solar solution that has the power to remove darkness from millions of lives. A standard package can light up to one 12V 25W DC (BLDC) fan, two 3W LED along with USB mobile charger point. DC light, DC fan, DC TV and other DC appliances up to 120W can be run very easily with this system.

Su-Kam brings a revolution in the power backup industry with Solar DC System – a unique product that promises power to areas with frequent cuts and even places where no home has ever been lit-up by power due to the absence of power grids.

The revolution called Solar DC System

Su-Kam's expertise in manufacturing innovative power backup systems with its focus on R&D has continuously manufactured new products, resulting in manufacture of a wide range of products like inverters, batteries, solar products etc. Su-Kam has 7 state-of-the-art manufacturing facilities in Baddi, Himachal Pradesh, Nepal and Gurgaon.

Su-Kam has remained uncompromising on the high quality of its products. With stringent quality parameters and testing, it is at par with international standards.

The company has implemented Total Quality Management (TQM) practices.

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Advantages of Solar DC System

• Saves power – 90% power-saving on DC LED lights and fans as compared to AC lights and fans.
• Reduced energy loss – Almost zero energy conversion loss by 20% – 30%
• Grid save long backup – The connected battery is charged from solar power in the day time and then the battery backup is used in the night for lighting up the LED lamps.
• Most reliable – The continuous supply of solar power makes it one of the most reliable systems.

Uniqueness that sets Solar DC System apart

• Extracts maximum available power
• Designed for easy installation
• Overload and short circuit protection
• Easy system monitoring through LCD and LED display
• Provision for mobile charging
• Solar & grid charging options available
• Low & high battery protection
• Easy recyclability of the product
• Low idle current
• Overload and short circuit protection
• Provision for mobile charging
• Solar & grid charging options available
• Low & high battery protection

In the current scenario, most of the gadgets and digital electronics are built using DC. However, most homes are wired for AC. Which is why, despite some useful properties of AC, when connected to DC products, a lot of power is lost. Among other disadvantages, this results in higher electricity bills. Su-Kam’s Solar DC System helps curb these power losses, thereby reducing electricity bills.

The SU-KAM Solar DC System is an innovative, environment-friendly, complete home lighting solar solution that has the power to remove darkness from millions of lives. A standard package can light up to one 12V 25W DC (BLDC) fan, two 3W LED along with USB mobile charger point. DC light, DC fan, DC TV and other DC appliances up to 120W can be run very easily with this system.

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