SolarInnovate Energy Solutions

Ubc solar power system

Overview

Power systems have evolvedconstantly in the past few decades while relying more on more sensitiveloads, power electronics based equipment, renewable energy forms, alongwith deregulated environments for energy commercialization. Therefore,the power systems dynamic.

The JIIRP project is an effort tosecure Canada’s infrastructure from the threats and vulnerabilitiesthat have increased due to its evolving complexity andinterconnectedness. Joint Infrastructure Interdependencies ResearchProgram.

Another option to upgradingexpensive large centralized electrical power systems is smallerdecentralized (distributed) generation facilities. Recent powergeneration and.

The Power Group works onaverage-value modeling of synchronous machine –rectifier systems,brushless dc motor 120 degree inverter system as well as other powerelectronic.

A new residential solar energy system atop the VEDA student residences near UBC’s Okanagan campus is being analyzed, and may serve as a real-world lab for UBC researchers.What is UBC solar?

UBC Solar is a student-led engineering design team dedicated to designing, manufacturing, and racing solar-powered cars. We compete in the Formula Sun Grand Prix and American Solar Challenge, where teams from across North America race over 2,000 miles across the United States while harnessing energy only from the sun.

What is UBC doing to accelerate solar energy deployment?

Our multidisciplinary team of principal investigators from UBC’s Vancouver and Okanagan campuses are collaborating to advance our understanding of harnessing, converting, storing and using solar energy with the aim to accelerate vast solar energy deployment.

Could a new residential solar energy system be a real-world lab for UBC?

A new residential solar energy system atop the VEDA student residences near UBC’s Okanagan campus is being analyzed, and may serve as a real-world lab for UBC researchers. Most people are familiar with solar panels, but this system would be a little different in that researchers would be tweaking and adjusting it to optimize its performance.

What skills does UBC solar offer?

Skills include PCB Design using Altium, software/firmware construction, power electronics design, and more! UBC Solar is a student-led engineering design team dedicated to designing, manufacturing, and racing solar-powered cars.

Why should you join UBC solar?

At UBC Solar, ECE students are presented with a plethora of learning opportunities. Our electrical teams are what makes our cars move – members gain experience with industry standard tools and skills which are directly translatable to their future careers.

How do I contact UBC solar?

For those interested in learning more, reach us through email at manager@ubcsolar.com or through Instagram @ubcsolar. At UBC Solar, ECE students are presented with a plethora of learning opportunities.

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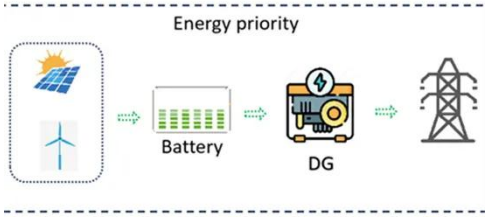

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