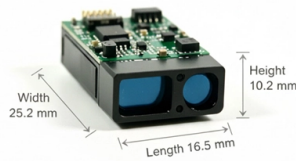


Cuba Integrated Bidirectional Power Supply Equipment



Overview

The bidirectional power supply units of the "G5" and "SM15k" product families are fully digitally controlled power supply units that can handle both energy directions for supplying and regenerating energy of the load. By combining basic units, system outputs from 9kW to several MW. The EA-PSB Series bidirectional DC programmable power supply has an integrated, regenerative electronic load and therefore can sink (absorb) current and recover up to 96% of current, returning it to the local power grid. Regenerative PSBs reduce heat, noise and HVAC costs, making them cost-effective. It is a test instrument that can source power like a traditional power supply and sink power like an electronic load. With the discontinuation of NH Research (NHR) 9300 systems, many labs are seeking replacements that deliver higher. The Sorensen™ Modular Intelligent Bidirectional Energy Amplified (Mi-BEAM) Series is the newest addition to the AMETEK Programmable Power portfolio of high-power testing solutions. The new Mi-BEAM Series features full DC source and sink capabilities with power levels from 12. This work has been developed with funding from the Spanish Agency for International Development Cooperation (AECID), under the HIBRI2 Project. Cooperation agreement with CUBASOLAR.

Article Content

Titulo de la ponencia

Integrated control system for the energy supply of isolated communities in Cuba, using Hybrid Systems Presenter: Luis Arribas

Bidirectional High-Capacity DC power supplies PXB

Not only handling high voltages of 1500V, but also capable of both power and regeneration in both directions in a single unit. We provide a new power supply

Bidirectional DC power supplies | Stand-alone devices or cabinet

Our digital and modularly expandable power supply units offer you flexibility, performance and reliability. Benefit from a comprehensive solution from a single source and optimize your testing processes.

SSZTD12 Technical article | TI

Technical Article For efficiencies" sake – how to integrate bidirectional power flow into your UPS design (part 1) With a growing emphasis on more compact,

Design and implementation of interoperable high-efficiency ...

The purpose of this work is to develop wireless bidirectional charging and discharging equipment that is adaptable to multiple vehicle types, and realize efficient transmission and

BIC-2200-E-R10

The BIC-2200 is a 2.2 KW bidirectional power supply with energy recycle function. It is fully digital and 1U height designed. It is designed to control the power transferred from AC grid to DC and DC to AC

Modular Bidirectional DC Power System| Mi-BEAM Series

Discover i-BEAM Series, the Bidirectional DC Power Supply offering up to 1.3 MW power, with 1, 2, or 4-channel options. Ideal for R& D and

How to Use Bidirectional Power Supply | Matsusada

In "How to Use Bidirectional Power Supply," we first explain what a bidirectional power supply is. It is a converter that can convert DC and AC

What is a bidirectional DC/AC Power Supply | rexxgear

The Programmable DC Power Supply Types of AC Bidirectional Power Supplies There are several types of AC bidirectional power supplies, each

Programmable bidirectional DC power supply

The EA-PSB 10000 2U and 3U series are two-quadrant programmable bidirectional power supplies, capable of operating as both DC sources and electronic loads, with seamless energy

25 kW, dual active bridge bidirectional power converter for EV

Introduction This reference design represents a complete solution for high power bidirectional DC-DC power converter in dual active bridge topology based on ACEPACK2 SiC power modules. An

Bidirectional DC Power Supply 62000D < 6kW-540kW

Integrated into a cabinet, these power supplies are suitable for testing string-type PV inverters, able to separately supply multiple MPPT inputs, or quickly parallel to

Chroma 62000D Series Bidirectional DC Power Supply

Compared to a traditional power supply and load, the 62000D two-in-one bidirectional DC power supply saves space, reduces energy loss and heat dissipation, and is easier to wire and configure.

What are Bidirectional Power Supplies? | ActionPower

Unlike traditional unidirectional supplies, bidirectional power supplies feature two-quadrant or four-quadrant operation, allowing seamless transition

The Benefits of Bi-Directional Power Design

This article features the advantages and benefits of implementing bi-directional power design allowing full reversible power flow.

"Integrated control system for the energy supply of isolated ...

ABSTRACT: During the last four years, CIEMAT has been involved in projects to hybridize renewable systems for the electrification of isolated places in Cuba. The projects have been widely accepted

Believe in the Benefits of Bidirectional Power Supplies

As an example of power testing versatility with high efficiency, EA-PSB 10000 30 kW programmable bidirectional DC power supplies from Elektro-Automatik save the weight and size of a

EA Elektro-Automatik Introduces Bidirectional

This article highlights Infineon Technologies AG power supply PSB 10000 of EA Elektro-Automatik offers a bidirectional solution for this application.

Power and power in Cuba

Last month, Cuba experienced significant power blackouts, plunging the island into darkness. The blackouts resulted from ongoing issues with the country's aging

Mastering the Use of Bidirectional Power Supplies: A Comprehensive ...

Unlock the potential of Darwin Motion bidirectional power supplies with our comprehensive guide. Learn how to efficiently utilize these versatile devices for energy storage,

Cuba's Energy Crisis: A Systemic Breakdown

Cuba's energy crisis is more than blackouts; it's a daily struggle for survival. How did it get this bad?

For Efficiencies' Sake – How to Integrate Bidirectional Power Flow into ...

Achieving high efficiency is very important in backup mode because the maximum power transfer (2kW) takes place in this mode. Let's look at how the active-clamped current-fed converter works.

TDM750T14-13K5IT Compliance Testing Guide

Learn how the TDM750T14-13K5IT bidirectional DC-DC power module supports compliance-focused battery testing, energy recovery, and power aging projects. This guide maps

Bidirectional Power Supply | Bidirectional Devices

Bidirectional Power Supply means: power flow in both directions — to source and sink energy. By combining a power source and an electronic load in a single unit, you get efficient, robust, and

Completion Ceremony for The Project for the

Cuba faces challenges such as reducing imports of petroleum fuels needed for thermal power generation, which accounts for more than 80% of its electricity, as

Distributed Generation in Cuba: Present and Future

Distributed generation stands out in the Cuban power system, where there are hundreds of units dispersed throughout the country. In times of

Reference design: An isolated bidirectional DC-DC power supply

5kW Isolated Bidirectional DC-DC Converter (Reference Design: RD167) This reference design is an isolated bidirectional DC-DC converter that uses the dual active bridge (DAB) method, which is one

PSB 9000 Bidirectional Programmable DC Power Supply

The PSB 9000 is a bidirectional DC power supply offering regenerative source and sink functionality, auto-ranging output, and programmable control designed for high-demand test applications.

Cuba Power Strips | Cuba PDU Power Distribution Units, Multiple

Cuba power strips and PDU power distribution units for surface mount, rack mount and general purpose applications. Multiple outlet power strips are manufactured in accordance to Cuba standards with

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://adikor.eu>

Email: info@adikor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

