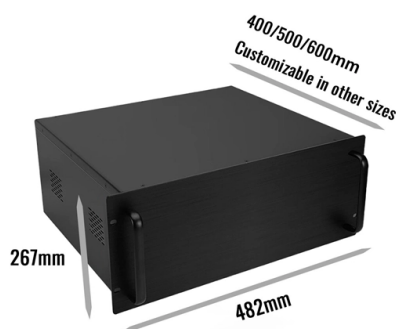


Fiji Integrated Bidirectional Power Supply Module



Overview

Designed for smart grid (V2G, V2H, V2L) applications, BMPU-R2 is a modular grid-tied power supply capable of bidirectional conversion between AC (grid) and DC (EV battery). Its innovative 4-phases design enables operation in three-phase 16A (with or without neutral) or single phase 32A. This module. Unwavering Commitment to Innovation, Pushing the Boundaries of Energy From Everywhere, Flowing Anywhere, Powering the Infinite Infypower is a world leading power module supplier with over 5 million modules in stable operation globally already. Featuring exceptional power density, reliability. The EA-PSB Series bidirectional DC programmable power supply has an integrated, regenerative electronic load and therefor 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. At the forefront of this evolution lies the groundbreaking collaboration between FIJI and Infineon, whose innovative IGBT (Insulated Gate Bipolar Transistor) module is set to redefine the landscape of power management across various industries. This article delves into the remarkable features. Fuji Electric offers an extensive lineup of power semiconductors: IGBT, SiC devices, power supply control IC, power MOSFETs, rectifier diodes and pressure sensors, which are all essential components of energy-saving power electronics and power supplies. Compared with one-way supplies, they combine AC-DC conversion and DC-AC inversion with power-factor correction (PFC), harmonic mitigation.



Article Content

Infypower – Power Electronics & Smart Energy Solutions

Infypower is a world leading power module supplier with over 5 million modules in stable operation globally already. Featuring exceptional power density, reliability,

Unleashing Power: The FIJI/Infineon IGBT Module Revolution

This article delves into the remarkable features and capabilities of the FIJI/Infineon IGBT module, exploring how its unprecedented efficiency and thermal performance are transforming

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Electric vehicles can supply power to DC loads through this DCDC module, realizing electric vehicle energy storage V2L. □Application Fields□Bidirectional High

IGBT Modules

IGBT Modules Fuji Electric's IGBT Module (or insulated-gate bipolar transistor) is a high-performance 7th generation IGBT/FWD chipset with a compact design that

EV Integrated Power Module Market 2025

EV Integrated Power Module Market was valued at 1527 million in 2024 and is projected to reach US\$ 3096 million by 2032, at a CAGR of 10.7%

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