

What is a statipower®; induction power supply?

The STATIPOWER®; induction power supply family includes (7) distinct systems that cover a wide range of power and frequency: 0.5 - 200 kHz /10 - 4000 kW. Output power regulation is a ±1% with up to 10% line variance, the input power factor is 0.95, regardless of loading, and energy conversion efficiency exceeds 85%.

Can NS Power Supply Drive DBD loads with adjustable output voltage amplitude?

The results showed that the proposed ns power supply can drive DBD loads with adjustable output voltage amplitude and frequency.

Who is Ametek Solidstate controls?

AMETEK Solidstate Controls has been building the world's most robust, industrial, uninterruptible power supply systems (UPS) for more than 56 years. Each system is created specifically to meet each of our clients' needs, with completely customizable configuration.

What is a flexitune®; power supply?

Flexitune®; and VersaPower supply units provide compact, highly flexible induction power solutions. Flexitune®; units use IGBT power supply technology making it an ideal replacement for RF valve oscillators. Portable induction heating power supply with digital intelligence allows for user-friendly control.

What is the Revolutionary statipower®; ifptm power supply?

The Revolutionary STATIPOWER®; IFPTM (Independent Frequency & Power) power supply is a revolutionary, IGBT- power supply designed for hardening and tempering using one coil in one station. Frequency and power can be adjusted instantaneously when surface and penetration depth changes on any given load.

What is a Unipower®; induction power supply?

UNIPOWER®; Induction Power Supply The UNIPOWER®; induction power supply offers unitised design for stand-alone operation. Power and frequency combinations from: 3 - 50 kHz /25 - 1000 kW. The cabinets are designed to accommodate a variety of fixtures, conveyors and work piece coils.

SSPCs replace traditional electromechanical relays and thermal circuit breakers in power distribution systems, offering more accurate trip protection with solid-state reliability, while reducing overall vehicle-level weight. PDC was the first ...

effective SSPA with megawatt range output power and scalable architecture. System components test results are discussed. A comparison of the state-of-the-art vacuum ...

Solid State Pulsed Power Module (SSPPM) Technical Specifications. Input Voltage: Up to ~2500 V; Output Voltage: As much as ~45 kV; Continuous Rep-rate: 1000 - 6000 Hz; Output Pulse ...

<p>Two different flow channel configurations on thermal resistances associated with the behavior of cooling of power device were studied in this paper. ANSYS Icepak 14.0 has been adopted ...

Introducing our sleek solid-state portable power station, designed for easy portability. With its ergonomic, lightweight build and aluminum soft-grip handles, it's perfect for reliable power wherever your adventure takes you. Quality You ...

Summary form only given. High voltage pulsed power supply with high repetitive rate has found wide applications in industry, and military such as plasma source for ion implantation, ...

A solid state amplifier has 2 (DC) power supplies (+V and -V). The 2 power supplies are connected in series. The middle is connected to the chassis. One terminal of the speaker is connected to the middle chassis and other ...

We present a high-energy local power supply based on a flexible and solid-state supercapacitor for miniature wireless implantable medical devices. Wireless radio-frequency ...

The VIP® solid-state power supply is designed for forging, mass heating, annealing, extruding and many other induction heating applications. Power and frequency ...

Two different flow channel configurations on thermal resistances associated with the behavior of cooling of power device were studied in this paper. ANSYS Icepak 14.0 has ...

These instructions describe how to convert the Collins 516F-2 power supply to solid-state using parts supplied in the conversion kit from Harbach Electronics, LLC. The main ...

Power management with PDC's Solid-State Power Controller (SSPC) solutions offer dramatic SWaP-C saving advantages over the electromechanical switches, relays, and circuit breakers they replace. PDC's power conversion and supply ...

In this paper, an all-solid-state high-frequency and high-voltage pulse generator is designed. The main circuit uses a half-bridge solid-state Marx circuit with IGBTs as main switches. The drive ...

is sometimes feasible to injection-lock it to a lower-power solid-state source [2]. o It is fundamentally a constant power device, not a linear amplifier--but average power can be ...

This power supply has 4 outputs: dual anode supply regulated in range 160-310V with current capabilities 100mA; heater supply 6,3V - 12,6V 5A; additional 5V 500mA regulator to use as negative rail or power

analog part of DAC; mute ...

The 3L Power Solid State Variac (SSV) is a compact, lightweight, digitally controlled variable AC power supply. It can supply AC voltage with variable voltage magnitude ...

SOLID-STATE POWER SUPPLIES . LEARNING OBJECTIVES . Upon completion of this chapter you will be able to: Identify the various sections of a power supply. State the purpose of each ...

This review is aimed at young scientists and engineers in the field of SSBs. Firstly, the state-of-the-art of customizable SSBs toward shape-conformal and structural power ...

Apart from this introduction, in Section 18.2, power semiconductor devices used in solid-state-based high-voltage generators are reviewed together with the latest silicon carbide ...

****Researching Solid State Power Controllers (SSPC)?** Start with this definitive resource of key specifications and things to consider when choosing Solid State Power Controllers (SSPC) ... Load voltage (maximum switching voltage, line ...

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