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# Vox Power Ltd – New Release EIRE300 Open Frame AC-DC Power Series, a High-Density 300W 4” x 2” Power Supply with a Low 1” Profile, Medical (2 MOPP) BF-Rating, and ITE Approvals

* 300W (375W peak for 1 sec) Fan-cooled
* 200W (115VAC) Convection-cooled
* Best-in-Class power density – 37.5W In³

**Dublin, Ireland, 15 October 2024** – Vox Power Ltd is pleased to announce [the EIRE300 series](https://www.vox-power.com/industrial-power-supplies/?utm_source=Electronica_EIRE300+PR&utm_medium=Press+Release_Industrial+Overview&utm_campaign=Electronica_EIRE300_Press+Release_Industrial+Overview), an advanced range of AC/DC power supplies that combines compact design with exceptional reliability and efficiency. Designed for medical and ITE applications, the EIRE300 delivers 300 Watts with a peak output of 375 Watts within a compact 4” x 2” footprint and a slim 1” profile.

The EIRE300 series stands out with its best-in-class power density exceeding 37.5W/in³ and efficiency reaching up to 95%, significantly minimising power losses and enabling it to outperform all other products available on the market. It offers versatility with unrivalled convection-cooled ratings of 200 Watts (115VAC), making it suitable for a wide range of applications.

Engineered for seamless integration into medical and industrial applications, the EIRE300 features 2 x MOPP isolation, low leakage currents, standard mounting holes and a dedicated auxiliary fan supply. Additional standard features include internal dual line fusing, remote sensing, and an AC\_OK signal. The EIRE300’s low standby power consumption of typically 0.25W makes it optimal for energy-critical applications.

The series is not only certified to the latest international Medical and ITE Safety Standards but also offers a “BF” rating, making it suitable for equipment that requires direct contact with patients. This rating is crucial for applications like surgical instruments and critical care medical devices, ensuring that they can be safely used close to the patient without risk of electrical hazards.

[The EIRE300 series](https://www.vox-power.com/industrial-power-supplies/?utm_source=Electronica_EIRE300+PR&utm_medium=Press+Release_Industrial+Overview&utm_campaign=Electronica_EIRE300_Press+Release_Industrial+Overview) offers a range of output voltages from 12V to 60V, including standard options of 12V, 15V, 18V, 24V, 28V, 36V, 48V, and 54V. Each output has a wide adjustment range, ensuring compatibility with most non-standard voltage requirements within this range. Comprehensive protection features such as over-voltage, over-current, and over-temperature safeguards are standard.

Designed for both Class I and Class II equipment, the EIRE300 meets EMC Class B standards for conducted and radiated emissions. It is capable of operating at altitudes up to 5000 meters and is approved to 60601-1 and 62368-1 for medical and ITE applications, as well as compliant with 60601-1-2 (EMC), 60335-1 (Household appliances), 61010-1 (Measurement, Control & Laboratory Equipment) and 61558-1 (Safety of Power Transformers) standards.  
  
To maximise reliability and performance, the product design utilises ultra long-life electrolytic capacitors and comes conformal coated as standard to protect against environmental contaminants. Its high-efficiency design reduces heat output, supporting a wide operating temperature range of -40°C to +70°C, with a calculated MTBF exceeding 500k hours.

[**Download the EIRE300 Series datasheet**](https://www.vox-power.com/wp-content/uploads/EIRE300/DOC-DTS-035-EIRE300-Datasheet.pdf) and view the [**EIRE300 Series demonstration video**](https://2ly.link/20LYx). Samples will be available from Q1 2025. Please contact your local distributor or Vox Power to discuss your EIRE300 application.

For a more in-depth understanding of Vox Power Ltd and its offerings, kindly explore our official website at [www.vox-power.com](https://www.vox-power.com/?utm_source=Electronica_EIRE300+PR&utm_medium=Press+Release_Vox+Power&utm_campaign=Electronica_EIRE300_Press+Release_Vox+Power+Home)

**About Vox Power**

Headquartered in Ireland, Vox Power Ltd design and manufacture a range of unique high-density and highly efficient AC/DC power solutions and DC/DC converters for Medical, Industrial and Technology markets. The unrivalled size and weight advantages of our power supplies combined with market leading functionality and features, enable customers to create innovative, smaller, highly efficient and aesthetically pleasing end solutions. We offer a comprehensive range of configurable, fan-less conduction cooled, convection cooled or fan-cooled power solutions for a broad range of applications, including healthcare, industrial, test-&-measurement, communications, railway, battery electric vehicles, etc. Premium quality and reliability are complimented by world class technical support.