

FNIRSI IPS3608

Intelligent

Digital AC-DC

Power Supply



Model: IPS3608

Manufacturer: FNIRSI

EAN: 5905156102170

Product Code: 1298697

R4,536

FNIRSI IPS3608 Intelligent Digital AC-DC Power Supply

The FNIRSI IPS3608 is an intelligent, programmable digital power supply designed for precise and stable operation with electronics. It offers high power, clean power with low interference, and automatic voltage and current control modes. The robust aluminum housing with active cooling ensures reliability, while the easy-to-read color display with angle adjustment and light and dark themes enhances user comfort. The device supports presets, advanced software functions, and computer connectivity, while built-in USB ports with fast charging expand its applications. The whole is complemented by an extensive security system that protects both the power supply and the connected equipment.

Precision in an advanced form

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

The FNIRSI IPS3608 is designed for demanding laboratory, service, and research applications. It offers 285 W of power and ultra-low ripple of 10 mV, which translates into exceptionally clean and stable power. The use of high-quality MOSFET transistors in combination with an LC filter increases energy efficiency and effectively reduces interference, ensuring low noise levels even when working with sensitive electronics.

Stable conditions and repeatable results

The power supply allows for precise control of constant voltage and constant current modes, automatically switching between Auto CV and Auto CC depending on operating conditions. Such parameter control guarantees uniform processes, including precise experiments requiring stable conditions, and ensures reliable, repeatable measurement results. In addition, thanks to its refined power supply design, the FNIRSI IPS3608 delivers power with very low interference.

Durability and stability of operation

The full CNC-machined aluminum housing ensures a professional appearance, as well as high mechanical resistance and effective heat dissipation. The intelligent cooling system with an active fan automatically maintains the optimum operating temperature, which translates into stable operation and long service life of the device, even with intensive use.

Comfortable operation at every workstation

The power supply is equipped with a 2.8-inch TFT color display that presents real-time data in a clear and transparent manner. Adjustable brightness allows you to adapt the screen to lighting conditions, and the ability to change the angle of inclination facilitates comfortable work in various workstation configurations. The interface offers three view modes and two color themes—light and dark—allowing you to quickly customize the appearance to your preferences. An additional safety feature is the rear power switch, which reduces the risk of accidental startup.

Effective work without unnecessary interruptions

The FNIRSI IPS3608 allows you to save up to six sets of presets covering voltage, current, and protection limits. The quick start and stop function with a single button significantly improves work,

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

especially in situations requiring frequent parameter switching or repetitive tests. The device works with computer software that allows you to view parameters in real time, record voltage and current curves, and conveniently manage presets. For more advanced users, features such as sequential output and voltage and current scanning are available, paving the way for comprehensive analysis and automated testing.

A single power source for the entire workstation

The power supply is equipped with USB-A and USB-C ports that support fast charging standards, including PD, QC, FCP, SCP, and AFC. This allows it to serve as a reliable power source not only for the systems under test, but also for smartphones and mobile devices used in everyday work. Importantly, the equipment offers a full set of eight protections, including protection against overvoltage, overcurrent, overload, undervoltage, overheating, reverse polarity, reverse current, and short circuit.

Included

- digital power supply
- power cable
- alligator clips
- USB data cable
- user manual

Manufacturer	FNIRSI
Model	IPS3608
Screen	2.8-inch color screen
Backlight	Adjustable backlight brightness
Interface language	Chinese, English
Product dimensions	approx. 138 × 214 × 115 mm

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

Product weight approx. 1539 g

Voltage range 100–240 V AC (50/60 Hz)

Setting resolution Voltage 0.01 V; Current 0.001 A

Reading accuracy Output voltage accuracy $\pm (0.3\% + 3 \text{ bits})$; output current accuracy: $\pm (0.15\% + 5 \text{ bits})$

Operating conditions Temperature: -10°C to 40°C | Humidity: 0%–75% RH

Protections Overvoltage, overcurrent, overload, thermal, undervoltage, short circuit, reverse connection, reverse current injection

Output DC voltage 0–36 V | Current 0–8 A | Power 0–285 W

Load regulation $\pm (0.2\% + 2 \text{ bits})$

Fast charging USB-C: PD 3.0 | USB-A: Huawei FCP, Huawei SCP, AFC, QC 2.0, QC 3.0

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_other.pdf, Net weight: 1566, Box length: 28,50, Box width: 17,50, Box height: 15,00, Gross weight: 2110, PPWR: <https://ppwr.innpro.pl/fnirsi>

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950