

## Power Supply Slim 12V 300W 25A Aluminum - IP20



### Product code:

Reference: FL-300W-12V

### Technical specifications:

REFERENCE: FL-300W-12V

Rated Power : 300W

Nominal Voltage:

Construction Material: Aluminium

Certifications: CE - ROHS

IP : IP20

Dimensions (mm): 190\*60\*30mm

Frequency (Hz): 50/60Hz

Temperature Range (°C): -20°C ~ +55°C

Warranty Years: 3

Current intensity: 12,5A

### Product short description:

**Slim Power Supply 12V 300W 25A IP20.**

**Ideal for LED strips.** Optimize your **LED installations** with this **12VDC constant voltage** power supply, combining high **efficiency**, **ultra-slim size**, and **durable design**. Its perforated aluminum casing aids cooling, keeps the unit lightweight, and allows installation in tight spaces. Perfect for LED strips, it prevents voltage or current spikes that could damage your lights. Safe and long-lasting power in a compact form.

### Product description:

Power Supply Slim 12V 300W 25A Aluminum - IP20

The **Slim Power Supply 12VDC 300W 25A** is designed to provide a reliable, efficient, and versatile power solution for a wide range of electronic applications. With a compact, robust, and ultra-thin design, it is ideal for installations in confined spaces where high performance is required without compromising the protection of internal components.

Although it has an **IP20** protection rating, this power supply stands out by incorporating a partial encapsulation system with epoxy resin inside, providing an additional layer of security against adverse environmental conditions. This encapsulation helps protect electronic components from dust, humidity, mechanical vibrations, and small particles, thereby extending the product's lifespan and ensuring stable operation.

Its perforated aluminum casing not only offers lightness and strength but also facilitates optimal heat dissipation, allowing for more efficient and safer operation even during long working hours.

### Main Advantages:

- Ultra-thin design:** Ideal for mounting in confined spaces, such as junction boxes or aluminum profiles for LEDs.
- Advanced internal protection:** The epoxy resin encapsulation protects electronic components under moderate environmental conditions, despite the IP20 rating.
- High energy efficiency:** Ensures optimized consumption for low-voltage applications.
- Efficient passive cooling:** Thanks to the open design of the aluminum casing.

### Recommended Uses:

- 12V LED strips:** Perfect for powering linear lighting systems in homes, shops, display cases, and furniture.
- LED screens:** Provides the necessary voltage with stability and protection against current spikes.
- Industrial automation and home automation:** Ideal for powering sensors, controllers, and low-voltage devices in technical environments.
- Electronic equipment:** Suitable for electronic applications requiring a constant and reliable 12V power source.

This power supply is a professional and durable solution, designed for those seeking performance, reliability, and safety in a single device. Its combination of slim design, protective encapsulation, and quality materials makes it a standout option in its category.

At FactorLED, we ensure that our products are of guaranteed quality and provide all the necessary elements for distribution, importation, or wholesale, including the technical specifications of each LED product.

# Technical Datasheet

## Additional images:

