

Reliable & Efficient Power Solutions for Automatic Doors

FSP delivers high-efficiency power supplies & UPS solutions for automatic doors – ideal for sliding doors, access control, and smart building automation.

Efficient Power Supply for Automatic Doors in Modern Buildings

Automatic doors, including sliding and swing models, play a key role in modern building automation. They facilitate seamless access, enhance hygiene, and optimize energy efficiency in high-traffic environments such as shopping centers, hospitals, office buildings, and transportation hubs.

However, without a stable power supply, voltage fluctuations or power outages can lead to malfunctions, increased energy consumption, or safety risks. A reliable power supply for automatic doors is therefore crucial for smooth and uninterrupted operation.

Why Choose FSP Power Solutions for Automatic Door Systems?

- ✓ Consistent, uninterrupted performance
- ✓ Energy-efficient design to lower operational costs
- ✓ Long-lasting durability & protection from voltage fluctuations

Key Growth Drivers for Automatic Doors – Trends & Market Opportunities

• Advancements in Technology

Innovations in sensors, IoT, and Bluetooth are enhancing the efficiency and user-friendliness of automatic doors. In healthcare, touchless access solutions are gaining importance to meet strict hygiene standards.

• Stronger Safety Regulations

EU safety standards like EN 16005 mandate advanced protective features for automatic doors, increasing demand for premium-quality door systems and their corresponding power supplies.

• Urban Expansion & Construction Boom

The rise in commercial construction across Europe is fueling demand for automatic doors in malls, hotels, and airports. These systems ensure smooth, secure, and efficient foot traffic management.

• Sustainability & Energy Efficiency

Automatic doors help reduce energy loss by minimizing heat exchange, supporting eco-friendly building concepts. Manufacturers are prioritizing recyclable materials and energy-optimized control systems.

• Smart Building Integration

Modern automatic doors are now part of intelligent building management systems, enabling remote monitoring, automation, and enhanced security solutions.

Challenges and Solutions in Power Supply for Automatic Doors

- Ensuring Reliable Power Supply

Power fluctuations or outages can disrupt door operation, making stable power supplies and UPS systems essential for uninterrupted access.

- Enhancing Energy Efficiency & Sustainability

Continuous standby mode in automatic doors requires an energy-efficient power supply to minimize electricity consumption and operating costs.

- Compact & Seamless Integration

Power supply units must be space-efficient and adaptable to fit into various automatic door systems with ease.

- Smart Power Management Capabilities

As automatic doors become increasingly connected to IoT and smart building networks, advanced power supplies with intelligent control and communication interfaces are essential for optimized performance.

FSP Power Solutions, represented by Alcom electronics : Reliable Power Supplies & UPS Systems for Automatic Doors

Automatic doors, including sliding and swing models, depend on stable and efficient power solutions to ensure uninterrupted and secure operation. Key requirements for power supplies in automatic door systems include:

- Power range: 60W to 450W
- Standard voltage: 24V as the primary output voltage
- Product types: Adapters, Open-Frame power supplies, and UPS system
- Integration features: Compact design, flexible installation, and low operating noise

FSP Power Solution offers tailored power supply solutions that meet all these requirements, delivering high energy efficiency, operational reliability, and long service life. Our portfolio includes compact adapters and high-performance open-frame power supplies with outputs up to 500W.

Several open-frame models feature Power Factor Correction (PFC) to minimize energy losses and improve efficiency. Additionally, certain adapters and open-frame power supplies offer peak power capabilities, providing extra startup power for door motors to ensure smooth and stable operation.

For maximum operational security and to ensure a dependable emergency power supply for automatic doors, FSP also offers the UPS Nano series with a 480W output power. Its compact size and flexible mounting options make it a popular choice for automatic door systems across Europe.

Overview of Available FSP Power Supply Models for Automatic Doors

FSP Available Models

	48 W	60 W	65 W	72 W	75 W	80 W	84 W	90 W	96 W	100 W	120 W	130 W	150 W	180 W	200 W	220 W	230 W	250 W	260 W	270 W	280 W	300 W	330 W	350 W	400 W	450 W	480 W	500 W
Adapter (24V)		● ●	●		●			●		●	●	●	●	●			●				●		●					
Open Frame (24V)			●		●	●				●	●		●	●	●				●	●			●	●	●	●	●	●
PSU+BBU	●			●																								
UPS																											●	

●: Peak current function included



Adapter



Open Frame



UPS Nano Series

Selected FSP Power Solutions for Automatic Doors

Adapters: Flexible Power for Door Control Systems

FSPs 24V adapters, delivering 60W to 330W, provide a reliable and energy-efficient power source for compact door control systems.

Open Frame: High-Efficiency, Space-Saving Power Supplies

Offering up to 500W with high efficiency and adaptable mounting options, these solutions are perfect for customized automatic door systems.

UPS Nano Series: Reliable Emergency Power for Automatic Doors

The Nano Series UPS provides 800VA/480W at 230V AC, ensuring continuous operation during power outages. Its slim design with the dimension of 228 (D) x 82.5 (W) x 207 (H) mm has proven effective in securing access systems in various installations.

Why Choose FSP Power Solution for Automatic Doors?

Your Key Advantages:

- ✔ **Industry-Leading Expertise:** With decades of experience, we develop high-performance industrial power supplies that ensure reliable operation in demanding automation environments.
- ✔ **Customized Solutions:** Our German-based R&D and FAE teams create customized power supply solutions designed to meet your exact project requirements.
- ✔ **Certified Quality & Safety:** Our power supplies and UPS systems comply with strict IEC and EN certifications, guaranteeing maximum operational security.
- ✔ **Rapid Delivery Across Europe:** Our Mönchengladbach warehouse ensures fast and efficient shipping, minimizing downtime and supporting smooth project execution.

Get in touch with Alcom electronics today to find the ideal power solution for your automatic doors-> info@alcom.be