

# Why Choose IMO Power Supplies

## Key features and benefits

Switch-mode power supply (SMPS) has several advantages over traditional linear power supplies. All IMO Power supplies are switch-mode power supply (SMPS)



## Features

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**Wide Input Voltage Range**  
 (85-264VAC / 120-375 VDC) Universal (180-550VAC / 254-780VDC) Wide Range. Ensures global compatibility with electrical supply across the world.
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**High Efficiency (Up to 92%) & Low Standby Power**  
 Minimises energy loss, IMO models meet DOE Level VI (US) and CoC V5 (UK & EU) with standby power < 0.1W.
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**Robust Protection Mechanisms**  
 Built-in protections against short circuit, overload, overvoltage, and overtemperature. Enhance reliability and safeguards connected devices.
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**Compact, Space-Saving Designs**  
 Slim, lightweight design with DIN rail mounting for simple panel integration.
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**LED Status Indicators (IMO)**  
 Provide at-a-glance operational feedback and fault diagnosis.
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**Wide Operating Temperature Range**  
 Suitable for harsh and industrial environments, -25 +70° C
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**Versatile Output Options**  
 Multiple voltage and current configurations (e.g., 5V to 48V) to meet diverse application needs.
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**Certifications and Compliance**  
 CE, UKCA, UL, UL1310, RoHS, REACH ensures compliance, safety and quality around the world.
- 
**OEM/ODM Capabilities**  
 Custom design services for tailored power solutions.

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## Benefits

- ✓ **Reliability in a Diverse range of applications**  
Built to be used in Residential control systems, building automation, security systems, emergency lighting, alarms, industrial controls, factory automation, logistic systems, electromechanical systems, Automotive, Manufacturing, EV Charging and many more. Including areas of high-vibration or extreme temperature.
- ✓ **Ease of Integration**  
Standard Din Rail mounting and wiring layouts allows use in all applications.

## Commercial Benefits

- ✓ **Cost-Effective**  
Competitive pricing without compromising on quality or performance.
- Lower Operating Costs**  
High reliability reduces maintenance and downtime.
- Long Service Life**  
High MTBF (Mean Time Between Failures), reducing maintenance and downtime.
- Energy Savings**  
High efficiency and low standby power contribute to energy savings and reduced operational costs.

## Service & Support Benefits

- ✓ **Global Availability**  
IMO's international presence ensures timely delivery.
- Global Support**  
IMO's offers direct support for all technical assistance.
- 3-Year Warranty**  
IMO's warranty ensures confidence and peace of mind.