

UL and UL1310 Certification

IMO

Technical Datasheet



UL Certification Matters Globally

1. Safety Assurance

- UL certification demonstrates that a product meets stringent safety standards.
- It helps mitigate risks like electric shock, fire, or mechanical hazards, which is critical in sectors like industrial automation, healthcare, and energy.

2. Regulatory Compliance

- In the U.S., many industries and local codes require UL certification (e.g., OSHA).
- Internationally, even where UL isn't mandatory, it often accelerates approval with local bodies or complements standards like CE, CSA, or IEC.

3. Global Market Acceptance

- UL is part of the CB Scheme (IECEE), a global network for mutual recognition of product safety certifications in over 50 countries.
- This means UL-tested products are more easily accepted or fast-tracked for compliance in regions like Europe, Asia, and South America.

4. Brand Trust & Competitive Advantage

- UL is a globally trusted name—its mark signals quality and reliability to customers and partners.
- Helps build brand credibility, especially in markets unfamiliar with local safety marks.

5. Reduced Liability & Insurance Benefits

- UL-certified products can lower the risk of litigation or recalls and may even reduce insurance premiums.
- Especially important for products installed in critical systems or public infrastructure.

6. Ease of Integration for OEMs

- OEMs prefer components (like PSUs) that are pre-certified, reducing their own testing burden and speeding up product launch timelines.

The UL1310 Advantage

What is UL1310 Certification?

UL1310 is a safety standard for Class 2 Power Units, established by UL (Underwriters Laboratories). It ensures that power supplies operate at safe voltage and current levels, significantly reducing the risk of fire, electric shock, or other hazards.

Why UL1310 Matters

1. Safety Assurance

UL1310-certified devices comply with stringent safety criteria. This means:

- Reduced liability for manufacturers and resellers.
- Peace of mind for end users and installers.
- Safer operation in residential, commercial, and industrial environments.

2. Simplified Installation Because UL1310 power supplies are inherently limited in V & I (by design), they typically do not require additional circuit protection or special enclosures. This:

- Lowers total system costs.
- Accelerates deployment.
- Makes compliance with NEC (National Electrical Code) simpler.

3. Regulatory Acceptance UL1310 is recognized across North America and globally, making your product:

- Easier to integrate into approved systems.
- More likely to pass inspection and gain AHJ (Authority Having Jurisdiction) approval.
- Better positioned for bids and contracts requiring certified equipment.

Sales Benefits

- Market Access: Many verticals (security, lighting, HVAC, controls) demand UL-certified Class 2 equipment.
- Competitive Edge: Certification adds credibility and helps win trust.
- Risk Mitigation: Helps partners and integrators reduce liability and insurance concerns.

UL1310: Built-In Trust

When you choose or offer UL1310-certified products, you're not just selling a device—you're delivering safety, compliance, and peace of mind.

