



Simplify the Surge Protective Device Certification Process

UL offers a broad range of Surge Protective Devices (SPDs) testing and certification services for global market access

Surge ahead while staying in-step with compliance and meeting critical effective dates. With UL's comprehensive certification solutions for SPDs, tested to new standards and to the latest requirements.

Over the last decade, the use of surge protective devices (SPDs) has increased due to the proliferation of electronics and microprocessors that are more susceptible to overvoltage surges due to lightning and switching disturbances. Surge protection needs within a building will vary depending on the surge withstand capability of the equipment being protected, level of protection desired, geography or location of the equipment and the functional criticality of the equipment.

With combined testing of Surge Protection Devices, UL can speed up your time to market by bundling certifications for UL, CSA and IEC standards. This streamlined and accelerated process saves time and money through a well-proven global certification program.

New SPD Types and Offerings for Certification to UL 1449

The following new SPD Types and offerings for Certification to UL 1449 are available to assist with acceptance of SPDs in the marketplace.

- **Open-Type** – SPDs with incomplete or partial enclosures intended for field installation within a suitable enclosure.
- **High-Altitude Installation** – SPDs intended for altitudes greater than 2000m (6562ft) or pressure of 80 - 106 kPa, used by weather stations, cell towers, and other high altitude locations.
- **Flammability Testing for End-Use** – Optional rating for the MOV coating material often required by end-use applications.
- **Photovoltaic** – SPDs evaluated, to protect from lightning induced surges in PV systems, to the requirements in Supplement SA.
- **DC** – to protect from lightning induced surges; evaluated to the requirements in Supplement SB.



For more information, contact your local representative, e-mail NA.CircuitProtection@UL.com or visit UL.com.



One Trusted Source for Global Access

The global network and compliance expertise of UL can help manufacturers navigate through national or regional standards.

Region	Standards	New SPD Types and Offerings for Certification
U.S.	UL 1449, 4th Edition	<ul style="list-style-type: none">• SPDs used in photovoltaic applications, PV SPDs• SPDs for use in DC application• Listing of Open Type SPDs• Listing of SPDs intended for use in altitudes above 2000m• Flammability Testing of Recognized Discrete MOVs
Canada	CSA C22.2 No.269 Series	<ul style="list-style-type: none">• CSA 269 series of SPD standards
Europe, Asia	IEC/EN 61643-11 IEC 61051	<ul style="list-style-type: none">• IEC/EN 61643-11- SPDs - International markets• IEC 61051- Varistors (MOVs)

Why choose UL?

UL drives global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. UL's global network of technical experts and state-of-the-art facilities, along with our longstanding relationships with regulatory authorities, partner laboratories and industry technical leaders, helps manufacturers gain the compliance credentials they need to compete in a more complex global supply chain.

Knowledge & Experience – our experienced staff participates in the standards development process for the U.S. and internationally. Including, the development and maintenance for the Standard of Surge Protective Devices, UL 1449, so we can assist you in understanding the certification requirements for your specific markets from the initial design stage through testing and production.

Single Source Provider – UL meets all of your compliance needs and, by bundling safety, performance and interoperability services, also helps save you valuable time and money.

Global Reach & Access – our global network of expert engineers helps you understand, test and certify to comply with various national and global requirements for your specific market application.

For more information, contact your local representative, e-mail NA.CircuitProtection@UL.com or visit UL.com.