



Compliance with DENAN for electrical and electronic products in Japan

Gaining the PSE Mark Certificate through UL

Japan – the world’s second largest developed economy – is a major global market, not least in the field of electronics. The Electrical Appliance and Material Safety Law regulates electrical and electronic products marketed in Japan, and defines the requirements for safety and EMC standards compliance leading to the PSE Mark.

The PSE Mark is Japan’s mandatory mark for products falling under the Electrical Appliance and Material Safety Law (DENAN). DENAN covers a wide range of products such as wire and cables, fuses, connectors and switches, transformers and ballasts, AC motors, heating appliances, motor-operated appliances, luminaries and detachable power supplies.

Products regulated by DENAN fall into one of two categories:

Specified Products (SP)	Non-Specified Products (NSP)
<p>A Specified Product requires a PSE certificate from a third party conformity assessment body authorized by METI, as well as the display of the PSE Mark.</p>	<p>Non-Specified Products also require compliance, but it may be self-declared, and the PSE Mark self-affixed.</p>
	

UL is the only testing organization in North America authorized by METI (Japan’s Ministry of Economy, Trade and Industry) to issue the PSE Mark Certificate for Specified Products. UL can also provide third-party reports for declaring compliance of non-specified products.

Comprehensive solutions for Japan

The PSE Mark

For the PSE Mark for specified and non-specified products, manufacturers may choose between Appendix 1 – 11 (Conventional Japanese Safety and EMC Standards) and Appendix 12 (J Standards harmonized to IEC and CISPR Standards), depending on their needs. Final certification comes after the prescribed safety and EMC tests, as well as a factory inspection.

Specified Products

UL LLC issues the PSE Mark certificate for specified products in the categories of fuses, wiring devices and miscellaneous products (power supplies). In addition, UL Japan is authorized for the category of miscellaneous products (power supplies).

Non-Specified Products

If manufacturers need a third-party test report, UL can identify the applicable safety and EMC standards for these products, as well as conduct tests and issue a test report, which a manufacturer can later use as the basis for their self-declared PSE Mark.

When does a product need a PSE Mark?

Manufacturers interested in determining whether their product is required under DENAN law to have a PSE Mark should contact UL with the pertinent product information (e.g. photos, drawings, electrical ratings, UL File / Vol / Sec numbers, CB Test Certificate, CB Test Reports, etc.)



Benefits of working with UL

UL is the only testing organization in North America authorized by METI (Japan's Ministry of Economy, Trade and Industry) to issue the PSE Mark Certificate.

Global credibility

UL is known and trusted around the globe, and is a leading force in the research and development of international regulatory standards.

Expert advice

UL offers knowledgeable assistance from the initial design stage of product development through testing phases and right up to market launch.

Specialized solutions

UL engineers use their deep technical expertise to quickly and methodically measure your project demands and specifications.

Comprehensive choice

UL offers a portfolio of services that minimize administration and project management costs. We can streamline by bundling tests to help ensure fast market access.

Collaborative advantage

UL works with you all the way to find solutions that fit your needs, and increase the value and acceptance of your products worldwide.

Bottom-line impact

All together, UL's services contribute to significant savings, in time and money - by helping products become safe, compliant and, most importantly, market ready.

Additional Marks for the Japanese market

In addition, UL offers testing and certification to several non-mandatory Marks. A product displaying any of these Marks has been determined by UL to comply with requirements based primarily on Japanese standards, and the scope of the certification is specified on the associated certificate.

All UL Marks for Japan must include a manufacturer's identification (i.e. company name or trademark) and product model number on the same label as the Mark. Alternatively, the Mark may be stamped, cast or molded into a product, provided that a manufacturer's identification and the model number also appear on the product.

- The S-Mark (safety and EMC certification)



- The UL-JP Mark and its enhanced version



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