

Japanese DENAN regulations are updated periodically. DENAN News highlights the latest changes in DENAN regulations. DENAN News also covers topics about DENAN Scheme and other related issues.



UL DENAN PSE Services Program DENAN News



November 5, 2008

PSE Mark for Li-ion Battery

Effective November 20, 2008, Lithium-ion battery must carry a circle (PS)E Mark.

According to the scope, Li-ion batteries shown below are NOT covered by DENAN;

- Primary (non-rechargeable) battery,
- Battery with energy density less than 400 Wh/L,
- Battery cell not readily usable by an end user ⁽¹⁾,
- Battery as a component intended to be installed in the end product,
- User replaceable battery pack already installed in the end product ⁽²⁾,
- Battery pack for automobile, bicycle, medical, or commercial applications.

Notes:

- (1) Battery cell shall comply with applicable standards.
- (2) User replaceable battery packaged with the end product but not installed at the time of shipment must carry (PS)E Mark. Battery pack sold for replacement purpose also needs (PS)E Mark. DENAN allows applying (PS)E Mark on a user replaceable battery pack regardless of its package/shipping conditions.

If a battery is used in DENAN products, the end unit shall bear appropriate PSE Mark. In this case, manufacturer must confirm a battery complying with standards. Depending on its configuration, Notes (2) above may also be considered.

Standard is DENAN Shorei 1 Appendix 9, which is identical to JIS C 8712 and 8714. JIS C 8712 is harmonized with IEC62133. JIS C 8714 is not harmonized with IEC or UL standard and covers abnormal condition tests, such as Forced Internal Short Circuit.

For details of our service, please consult with PSE Staff listed in "Contact us" section of DENAN website; <http://data.ul.com/denan/>



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