

Subject 2272

April 27, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Electrical Systems for Personal E-Mobility Devices, UL 2272, are being proposed:

1. Connections to cells

STP BALLOTS AND ALL COMMENTS DUE: June 26, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Connections to cells

RATIONALE

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Although it would seem to be part of good battery manufacturing design/processes, we have seen instances where high heat connection methods have been used to make direct connections to the battery cells. This could result in damage to the cells. Therefore, concerns with regard to the direct connections to the cells should be spelled out in this standard to ensure that this is not occurring.

It is the proposal submitter's opinion that this is a new construction requirement.

PROPOSAL

10.2.1 Connections to the cells shall be made in a manner that does not result in damage to the cells. For example, connections made using high heat processes such as solder shall not be used on direct connections to the cell terminals without proper processes and controls as this could result in damage to the cell as a result of heat transfer during soldering.

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