



ENERGY & POWER TECHNOLOGIES

## A New Certification for Next Generation Self-Balancing Scooters (“Hoverboards”)

*As self-balancing scooters, or hoverboards, continue to grow in popularity, the need for electrical system certification is more important than ever. As always, UL’s public safety mission is at the forefront of everything we do. We help provide peace of mind to consumers, retailers and manufacturers by testing and certifying the products that people use every day.*

### INTRODUCING UL 2272

UL supports retailers and manufacturers by offering electrical and fire-safety testing and certification under UL 2272, Electrical Systems for Self-Balancing Scooters. This standard evaluates the safety of the electrical drive train system and battery and charger system combinations, but does NOT evaluate for performance, reliability, or rider safety. As a result, UL recommends that proper safety precautions, detailed below, should be taken when buying and using a self-balancing scooter:

- Safety First – Make sure it is UL certified. Look for the UL Mark on the packaging and the UL holographic certification label with the Enhanced Mark on the bottom of the product.
- Keep the hoverboard away from flammable materials while charging.
- Follow the manufacturer’s recommended charging times. DO NOT overcharge.
- Use only the charger that is packaged with and documented on the UL certification page of the hoverboard.
- If an incident does occur, leave the area and call 911. Due to the nature of battery chemical fires, it may be incorrect to use a fire extinguisher.
- Follow all manufacturer-recommended safety guidelines, including wearing recommended personal protective gear.

### CERTIFIED PRODUCTS

In May, 2016, UL certified its first hoverboard and has since certified additional brands and models. Our list of certified products is growing quickly. Search the Online Certifications Directory ([ul.com/database](http://ul.com/database)) for the most up-to-date information. Enter “FKIS” into the UL category code field to find all currently certified manufacturers of self-balancing scooters.

Click on any file link next to the company name to see which particular models currently hold certification.



### FREE WEBINAR NEW HOVERBOARD STANDARD (UL 2272)

Overview of UL 2272 with the principal engineer who played a key role in the development of the new standard. You’ll learn about UL’s certification programs for self-balancing scooters, future plans for UL 2272 standard development including reaching consensus on the standard’s requirements.

Visit [bit.ly/UL2272REC](http://bit.ly/UL2272REC) or [UL.com/hoverboards](http://UL.com/hoverboards) to view today!

To learn more, or register for the upcoming webinar, visit [UL.com/hoverboards](http://UL.com/hoverboards).  
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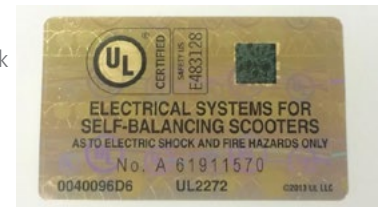
## WHAT IS UL DOING ABOUT COUNTERFEIT PRODUCTS?

UL is committed to keeping potentially unsafe products away from consumers by supporting government and law enforcement agencies, like U.S. Customs and Border Protection, to seize products with counterfeit UL Marks and prosecute the criminals responsible.



## HOW CAN YOU TELL IF YOUR PRODUCT IS UL CERTIFIED?

We strive to make identifying a UL Certified product as easy as possible. Simply look for the UL Mark for self-balancing scooters on the front of the packaging and the UL holographic certification label with the Enhanced Mark on the bottom of the product. This label is your indication that you have a genuine UL Certified product.



## A HISTORY OF EXPERTISE IN BATTERY TESTING AND CERTIFICATION

UL Battery and Energy Storage Technology services are designed to help reduce the complexities associated with creating energy storage products. UL works to help guarantee the safe manufacture, handling and use of new technologies through various tests on energy storage systems (such as batteries in stationary/motive and portable applications), power supplies, and materials. UL has the foremost battery experts and has been extensively studying battery technologies for over 30 years. For more information on UL's product testing, please visit our pages for consumer applications, commercial applications, power supplies and materials.

## WHAT YOU SHOULD KNOW

The Consumer Products Safety Commission (CPSC) issued a letter to manufacturers, importers and retailers of hoverboards urging them to make certain the self-balancing scooters they "import, manufacture, distribute or sell in the United States comply with currently applicable voluntary safety standards, including all referenced standards and requirements contained in UL 2272 – Outline of Investigation for Electrical Systems for Self-balancing Scooters." The testing requirements for UL 2272 specifically evaluate the safety of the electrical system: the safety of the electrical drive train system and battery and charger system combinations, but does NOT evaluate for performance, reliability, or rider safety

Manufacturers and retailers wishing to submit self-balancing scooter products for testing, or inquiring about battery testing with UL, should reach out via the contact form at <http://contact.ul.com/contact-ul-energy>, or email [HoverboardQuote@ul.com](mailto:HoverboardQuote@ul.com).



To learn more, or register for the upcoming webinar, visit [UL.com/hoverboards](http://UL.com/hoverboards).  
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