

FREQUENTLY ASKED QUESTIONS RELATED TO UL2272

Q1: How do I tell whether a device is UL2272 certified?

PMDs **must carry certification marks issued by one of these certification bodies** (refer to table below) to be considered certified to the UL2272 standard. These marks are usually found underneath the footboard of the certified device, along with the model number. For devices without a footboard e.g. unicycle, the mark may be found underneath the footrest or on the side of the device. You may refer to [this document](#) for a non-exhaustive list of motorised PMDs certified to the UL2272 standard as a guide.

Underwriters Laboratories Inc. (UL)	 <p>The image shows a UL certification label. It features the UL logo (a circle with 'UL' inside) and the text 'CERTIFIED SAFETY US E123456'. Below this, it reads 'ELECTRICAL SYSTEMS FOR PERSONAL E-MOBILITY' and 'AS TO ELECTRIC SHOCK AND FIRE HAZARDS ONLY'. A large number 'No. A 12345684' is printed in the center. At the bottom, it says '0055544K6 UL2272'.</p>
CSA Group	 <p>The image shows three CSA certification marks. Each mark consists of the letters 'CSA' inside a circle. The first mark has a 'C' below it, the second has 'US' below it, and the third has 'US' below it.</p>
Intertek Testing Services	 <p>The image shows two Intertek ETL certification marks. Each mark consists of the letters 'ETL' inside a circle, with 'INTERTEK' written above it. The first mark has a 'C' below it and 'LISTED' to the right. The second mark has 'LISTED' to the right. Below each mark, the word 'Intertek' is written, followed by a series of 'X' characters: 'XXXXXXXX' for the first and 'XXXXXXXX' for the second.</p>

**Intertek Testing Services (Singapore)
Pte Ltd**



SGS Testing & Control Services



TÜV Rheinland



TÜV SÜD PSB



Q2: What are the key dates for the adoption of the UL2272 standard?

From **1 July 2020**, all non-UL2272 certified motorised PMDs will not be allowed on public paths, and all non-UL2272 certified e-scooters registered with LTA will be automatically deregistered. All retailers are also not allowed to sell non-UL2272 certified motorised PMDs from **1 July 2019**.

Key dates to note:

From 1 July 2019

- All retailers are not allowed to sell motorised PMDs that are not certified to the UL2272 standard.
- Non-UL2272 certified e-scooters can continue to be used on public paths only if it is bought before 1 July 2019 and registered with LTA.

From 1 July 2020

- All non-UL2272 certified motorised PMDs will not be allowed on public paths.
- Registered non-UL2272 certified e-scooters will be automatically deregistered.

Q3: My PMD does not have a recognised certification mark. Can LTA please certify my device so that I can use it from 1 July 2020?

LTA does not test nor certify devices to the UL2272 standard. This can only be carried out by an accredited certification body, such as Underwriters Laboratories Inc. (UL), CSA Group, Intertek Testing Services and SGS Testing & Control Services, and usually conducted upstream at the manufacturers' factories and testing laboratories during the production of the device.

Q4: My PMD model can be found on LTA's list of UL2272 certified devices but it does not have a recognised certification mark. Will LTA consider my PMD certified to the UL2272 standard?

No. LTA will only recognise that your PMD is certified to the UL2272 standard if it carries any of the certification marks recognised by LTA.

This is because for some PMDs of the same model, only the later batches may be considered certified if the factory obtained UL2272 certification by accredited certification bodies at a later stage. Conversely, if the factory loses its UL2272 certification later on, the batches produced prior to that may be considered UL2272 certified, while the newer batch will not be.

Hence, please refer to the [list of UL2272 certified PMDs](#) only as a guide, and confirm that your PMD is UL2272 certified by checking that it carries any of the certification marks recognised by LTA.

Q5: Can I sell a non-UL2722 certified PMD?

All sales of non-UL2272 certified PMDs are prohibited from 1 July 2019.

Q6: How can retailers get their PMD models tested and certified to the UL2272 standard?

Retailers may approach any third-party certification body that is accredited for UL2272 product certification for details and thereafter work with their manufacturers to get their PMDs tested and certified to the UL2272 standard. Please refer to the list of accredited certification bodies the table below.

S/N	Certification Body	Contact Details
1	UL	Email: inquiries.ASEAN@ul.com Tel: +65 6274 0702
2	CSA	Email: CSA.singapore@csagroup.org Tel: +65 6812 5920
3	Intertek Testing Services	Email: http://www.intertek.com/contact/inquiry/?route=1210&prompt=29945&id=837 Tel: +1800 967 5352
4	Intertek Testing Services (Singapore) Pte Ltd	Email: sgp-sgp.electrical@intertek.com Tel: +65 6282 7187
5	SGS Testing & Control Services	Email: christopher.hee@sgs.com Tel: +65 6379 0269 HP: +65 9172 9347

6	TÜV Rheinland	Email: info@sin.tuv.com Tel: +65 6562 8750
7	TÜV SÜD PSB	Email: zachary.lee@tuv-sud-psb.sg Tel: +65 6885 1399

List of Accredited Certification Bodies for UL2272 Product Certification (Accurate as of 23 April 2019)

Alternatively, retailers may choose to source directly for PMDs which have been certified to the UL2272 standard.

Q7: Does LTA's regulations include the charging of PMDs?

LTA does not regulate the charging of PMDs. However, power adapters used to charge PMDs are Controlled Goods under the Enterprise Singapore's Consumer Protection (Safety Requirements) Registration Scheme. The Enterprise Singapore certified power adapters are required to fulfil specific safety requirements, e.g. having proper safeguards and insulation to prevent short circuit, fire, electric shock or electrocution. Compliant and registered power adapter models carry the SAFETY Mark label, and consumers are encouraged to only use such power adapters.

Q8: Does the UL2272 standard apply to other e-mobility devices (such as power-assisted bicycles and personal mobility aids)?

The UL2272 standard will apply only to motorised PMDs (such as e-scooters, hoverboards and electric unicycles) as we have already introduced tighter technical requirements for power-assisted bicycles (PABs). Since 1 February 2016, PABs approved for use on roads must meet the requirements under EN15194 standard adopted by many countries across Europe and in Australia. The standard includes testing requirements for short circuiting, overcharging, and mechanical strength of batteries.

As for other devices such as personal mobility aids (PMAs), we will monitor the situation and study the need to introduce relevant fire and electrical safety standards, if necessary.