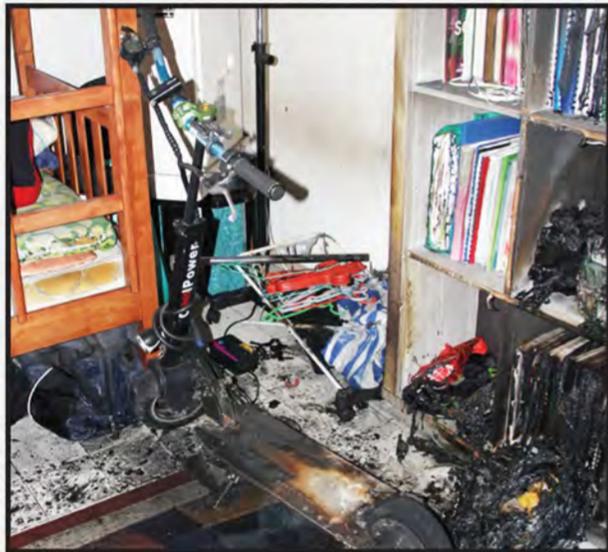


## Battery fires involving Personal Mobility Devices

The number of fires involving Personal Mobility Devices (PMDs), such as e-scooters, has been increasing in recent years. The impact and consequences of these fires can be severe.

Particularly, such devices that are being charged overnight in homes pose risks. A small fire can grow unnoticed and spread very quickly, resulting in casualties and damage to property.



An e-scooter that caught fire in a bedroom in Nov 2017, resulting in four casualties.

These fires are commonly started during the charging of battery or shortly after such charging is completed. Therefore, it is important to focus on proper battery usage and storage.

Let's play our part for a fire safe environment.

## Allow heat dissipation



- While charging batteries, electronic devices or PMDs:
  - Charge in a cool room and away from heat.
  - Place them on hard, open and flat surfaces.
  - Do not place near combustible materials.
  - Do not cover with any fabric.
- Avoid charging batteries immediately after using the electric bicycle or PMD.

## Check for damage or deformities



- Examine for any damage or deformities such as:
  - Bloated or corroded batteries.
  - Powdery batteries.
- Refrain from charging such batteries as it may lead to overheating or fires.

## Avoid overcharging



- Follow manufacturers' instructions for charging.
- Do not overcharge batteries. Some battery models do not have an automatic power cut-off function.
- Avoid charging an already fully-charged battery.
- Do not leave batteries or devices to charge overnight.

## Keep and store properly



- Tape over the charging terminals if batteries are not to be used for a long period of time.
- Store batteries at room temperature.
- Avoid prolonged exposure to direct heat.
- Keep away from combustible or flammable materials.

## Other information

- Check for device compliance before purchasing.
- Purchase from reputable sources.
- Do not tamper with, modify or attempt to repair a device on your own.
- Purchase adaptors with a valid SAFETY Mark.



- Each SAFETY Mark has a serial number that can be verified via Enterprise Singapore's website: <https://cpsa.enterprisesg.gov.sg/totalagility/forms/cpssite/PUBSearchCOC.form>
- Use adaptors with current, voltage and wattage ratings compatible with the device.

For more information on the SAFETY Mark: Visit [www.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection)

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# 预防 电池起火的 防火小贴士



## 个人代步器材电池起火

近年来，个人代步器材（Personal Mobility Devices，简称PMD）如电动踏板车，频频发生起火事件。火患可以导致严重的影响和后果。

尤其是当人们将这些器材隔夜充电时，更容易带来火患的风险，因为充电导致的火点虽然小，却容易被忽视，而小火很快蔓延开来，造成严重的伤亡和财务损失。



2017年11月，一架电动踏板车在卧室起火，导致四人受伤。

这些火患普遍发生在开始充电时，或充电完成不久后。因此，我们有必要关注如何正确地使用和存储器材。

让我们各尽绵力，维持一个没有火患的生活环境。

## 允许器材有空间散热



- 在充电时，电子器材或个人代步器材：
  - 应放在阴凉的空间，远离热源。
  - 应放在坚硬、开阔和平坦的表面上。
  - 不应放在易燃物体附近。
  - 不应用任何布料盖着。
- 避免在使用电动脚踏车或个人代步器材后立即为它们充电。

## 检查是否有损坏或变形



- 检查器材是否有任何损坏或变形，如：
  - 电池膨胀或被腐蚀。
  - 电池有粉末。
- 避免为这些电池充电，因为这可能导致电池过热或造成火患。

## 避免过度充电



- 按照制造商的指示进行充电。
- 不要过度充电。有些电池型号没有自动断电功能。
- 避免为已经完全充电的电池继续充电。
- 不要隔夜为电池或代步器材充电。

## 正确保存和存储



- 如果决定长时间不使用电池，请在充电端贴上胶带。
- 在室温环境保存电池。
- 避免长时间直接将电池暴露在高温下。
- 将电池置放在远离易燃或易爆物体的地方。

## 其它信息

- 购买前请检查代步器材是否符合器材要求。
- 从可信赖的供应商购买代步器材。
- 请勿擅自乱动、改装或尝试自行修理代步器材。
- 购买附有有效安全标志（SAFETY Mark）的充电器。



- 每一个安全标志（SAFETY Mark）都有可以从新加坡企业发展局网站核查的序列号：  
<https://cpsa.enterprisesg.gov.sg/totalagility/forms/cpsite/PUBSearchCOC.form>
- 使用与代步器材的电流、电压和额定功率兼容的充电器。

更多安全标志（SAFETY Mark）的信息：  
请浏览 [www.enterprisesg.gov.sg/consumer-protection](http://www.enterprisesg.gov.sg/consumer-protection)

此安全信息由下列机构带给你：



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# Fire Safety Tips on PREVENTING BATTERY FIRES

