

Our Ref : Cir 2015-01
Date : 3 August 2015
Effective Date : 1 January 2016
To : Suppliers of power banks
Subject : Consumer Protection (Consumer Goods Safety Requirements) Regulations

We have updated the Consumer Protection (Consumer Goods Safety Requirements) Regulations Information Booklet. The booklet can be downloaded from www.spring.gov.sg/productsafety.

Below are some changes that we wish to highlight as follows:

- **Additional Safety Requirements for Portable Power Banks**

In addition to complying with the safety requirements of applicable standards specific to the product, and under the provision of Regulation 4(a)(ii) of the Consumer Protection (Consumer Goods Safety Requirements) Regulations [CGSR], SPRING Singapore as the Safety Authority also requires **portable power banks**¹ to comply with the following minimum safety requirements, as detailed in Appendix F Additional Safety Requirements Imposed by the Safety Authority:

Consumer Goods	Safety Requirements
Portable power banks ¹	<p>1 Portable power banks shall comply with the requirements of the following safety standards:</p> <p>1.1 IEC 62133:2012 <i>Secondary cells and batteries containing alkaline or non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications; and</i></p> <p>1.2 IEC 60950-1:2005+A1:2009+A2:2013 <i>Information technology equipment – Safety – Part 1: General requirements</i></p> <p>OR</p> <p>1.3 Any other industry standard specific to power banks</p> <p>2 Portable power banks shall be supplied with the following safety information:</p> <p>2.1 'Minimum Instructions for use' as specified below</p> <p>2.2 Instructions on how to charge the portable power bank</p> <p>2.3 Information on the minimum and maximum operating temperatures of the portable power bank</p>
<p align="center"><u>Minimum Instructions² for Use for Portable Power Banks</u> to be provided with portable power banks to the customer</p> <p>a) The power bank will generate heat when charging. Always charge in a well ventilated area. Do not charge under pillows, blankets or on flammable surfaces.</p> <p>b) Keep the power bank away from heat sources, direct sunlight, combustible gas, humidity,</p>	

water or other liquids.

- c) Do not disassemble, open, microwave, incinerate, paint or insert foreign objects into the power bank.
- d) Do not subject the power bank to mechanical shock such as crushing, bending, puncturing or shredding. Avoid dropping or placing heavy object on the power bank.
- e) Do not short-circuit the power bank or store it in a receptacle where it may be short-circuited by other metallic or conductive objects.
- f) Do not operate the power bank if it has been wet or otherwise damaged, to prevent against electric shock, explosion and/or injury. Contact the dealer or authorized agent.
- g) Power bank usage by children should be supervised.
- h) Please read the operating instructions (including charging instructions and information on the minimum and maximum operating temperatures), supplied with this power bank.

Notes:

1. A “portable power bank” is defined as any portable energy-storage device containing secondary batteries with charging circuitry, which is used to charge portable consumer electronic devices via DC output of up to 5 volts.

The following products do not fall within the above definition:

- *Products with AC input*
- *Products with jump starter function*
- *Rechargeable batteries and their chargers, sold as separate products*
- *Higher capacity power packs intended for charging high power industrial devices*
- *Uninterruptible Power Supply (UPS) systems*

2. *The requirements listed above are the minimum requirements. Please include other information relevant to the specific product as may be deemed necessary.*

If you need any clarification on this circular, please contact Ms Huang Xiaowen, Senior Officer, at huang_xiaowen@spring.gov.sg or DID: 6279 3160.

Yours faithfully

Mohinder Kaur

Head

Consumer Product Safety and Weights & Measures Division

(This is computer generated, no signature is required.)