

May 18, 2009

EU Battery Directive (2006/66/EC)

We, Panasonic Industrial Company, hereby declare that our products indicated below are in compliance with EU Directive 2006/66/EC. Please note that the NiMH, Li Ion, and some Alkaline cells are not compliant due to labeling.

Mercury and Cadmium

Panasonic's batteries listed below do not contain Mercury (Hg) greater than 5 ppm or Cadmium (Cd) greater than 20 ppm.

Labeling

The EU battery directive requires a crossed-out dustbin recycling mark on some product.

For cylindrical batteries, this symbol must be greater than 1.5% of the surface area. On batteries where the mark will be less than 0.5 cm x 0.5 cm, no marking is required on the battery, but still must be marked on the packaging with a minimum size of 1 cm x 1 cm. This size requirement would exclude all our Panasonic lithium coin cells and most of the lithium cylindrical cells.



Please see the specific cell type below for the description of the dustbin marking.

The following **lithium cylindrical cells** and their various tab configurations will have the dustbin marking on the battery itself starting with April 1st, 2008 factory shipments.

BR Cylindrical Cells - Poly-carbonmonofluoride Lithium Batteries

BR-C, BR-A, BR-1/2AA, BR-2/3A, BR-AG, BR-2/3AG

CR Cylindrical Cells – Manganese Dioxide Lithium Batteries

CR-PE2/BN, CR123APA/B, CR-P2PA/B, 2CR-5MPA/B

The following **lithium coin cell** batteries and their various tab configurations will be marked on the packaging only, no marking will appear on the cell due to the size requirements listed above.

BR Coin Cells - Poly-carbonmonofluoride Lithium Batteries

BR1220, BR1225, BR2032, BR2325, BR2330, BR3032

BR”A” Coin Cells – Extended Temperature Range Coin Cells

BR1225A, BR1632A, BR2330A, BR2450A, BR2477A

CR Coin Cells – Manganese Dioxide Lithium Batteries

CR1025, CR1216, CR1220, CR1612, CR1616, CR1620, CR1632, CR2012,
CR2016, CR2025, CR2032, CR2330, CR2354, CR2412, CR2450, CR2477,
CR3032

VL Coin Cells – Vanadium Rechargeable Lithium Batteries

VL621, VL1220, VL2020, VL2320, VL2330, VL3032

ML Coin Cells – Manganese Rechargeable Lithium Batteries

ML414, ML614, ML621, ML920, ML1220, ML2020

ML-RM Coin Cells – Reflow Solderable ML Lithium Batteries

ML414RM

NBL Coin Cells – Niobium Rechargeable Lithium Batteries

NBL414/F9D, NBL621/F9D

MT Coin Cells – Titanium Lithium Batteries

MT516, MT616, MT621, MT920

Valve Regulated Lead Acid Batteries

Panasonic **Lead acid batteries** are marked with the crossed out dustbin with the lead (Pb) chemical symbol.

LC-R, LC-P, LC-X, LC-V & UP-RW - Valve Regulated Lead Acid Batteries (VRLA)

Nickel Metal Hydride and Lithium Ion cells

Panasonic **Nickel Metal Hydride** cells and **Lithium Ion** cells **will not** have the crossed out dustbin. These cells are intended to be used in battery pack assemblies and only the outer battery pack must be marked with the dustbin. The cells, however, are not compliant with the EU Battery Directive.

HHR – Nickel Metal Hydride cells

CGR and CGA – Li Ion cylindrical and prismatic cells

Alkaline Batteries

Panasonic **Alkaline Plus** product line **will not** have the crossed out dustbin. The new Panasonic Industrial label, effective May 2009, will have the crossed out dustbin.

Alkaline Product **not compliant** with the EU Battery Directive

AM-3PAI, AM-4PAI, 6AM-6PAI – Alkaline Plus label

AM-3PIX, AM-4PIX, 6AM-6PIX – Old Alkaline Industrial label

Alkaline Product compliant with the EU Battery Directive

LR20XWA, LR14XWA, LR6XWA, LR03XWA, 6LR61XWA – Alkaline Industrial label

Please send any questions regarding this notice to oembatteries@us.panasonic.com.

Reference:

Original text of the amended EU Battery Directive

http://eur-lex.europa.eu/LexUriServ/site/en/oj/2006/l_266/l_26620060926en00010014.pdf

EPBA Battery guideline for marking

<http://www.epbaeurope.net/batterymarking.html>