

# Technical specifications

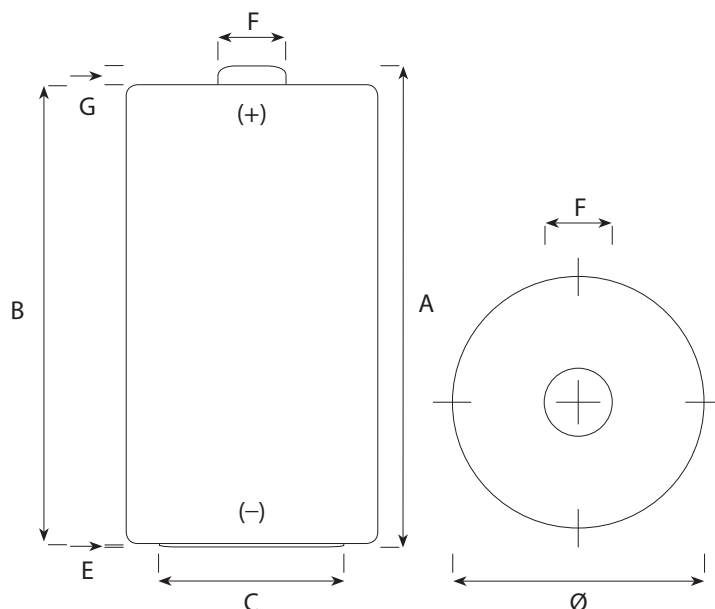
## Alkaline

### Powerline

#### Panasonic Typical Dimensions



LR20AD



| Dimension | IEC Dimensions (mm) |         | Panasonic Dimensions (mm) |
|-----------|---------------------|---------|---------------------------|
|           | Maximum             | Minimum | Typical                   |
| A         | 61,5                |         | 60,6                      |
| B         |                     | 59,5    | 60,1                      |
| C         |                     | 18,0    | 24,2                      |
| E         | 1,0                 |         | 0,5                       |
| F         | 9,5                 |         | 9,0                       |
| G         |                     | 1,5     | 2,5                       |
| Ø         | 34,2                | 32,3    | 33,0                      |

#### Specifications

|                                    |  |
|------------------------------------|--|
| <b>Name</b>                        | LR20 / XL / D / AM1 / MONO / MN1300 / 13A / 13AC   |
| <b>Made in</b>                     | Belgium  |
| <b>Type</b>                        | Alkaline Foil  |
| <b>Nominal Voltage</b>             | 1,5 Volt   |
| <b>Electrolyte</b>                 | Potassium Hydroxide  |
| <b>Average weight</b>              | 142,7 g  |
| <b>Storage temp. range</b>         | +10°C ~ +25°C  |
| <b>Operating temp. range</b>       | -20°C ~ +45°C  |
| <b>Average Impedance</b>           | +/- 90 m-Ohm @ 1kHz fresh  |
| <b>Heavy metals</b>                | No added mercury (Hg), Cadmium (Cd) or Lead (Pb)   |
| <b>Compliant to</b>                | IEC 60086<br>non dangerous goods regulation<br>Nordic ecolabeling (white Swan)<br>EC directive 91/157EC & 98/101EC |
| <b>Recommended cut off voltage</b> | 0,8V per cell  |

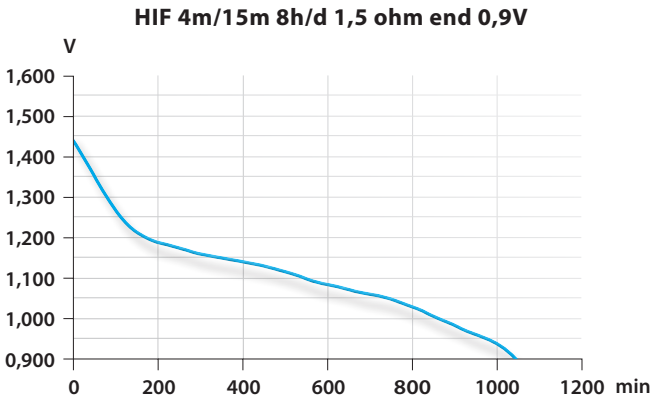
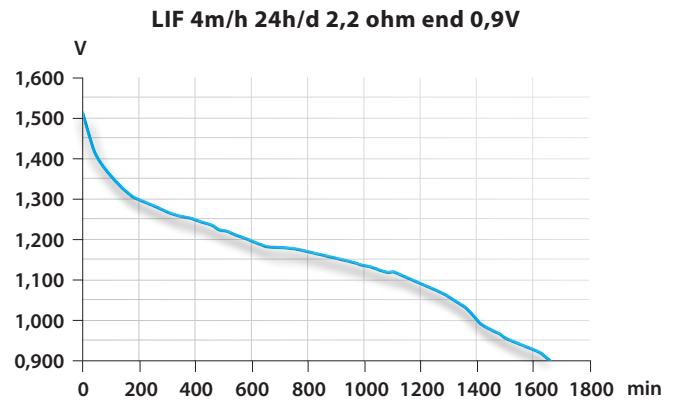
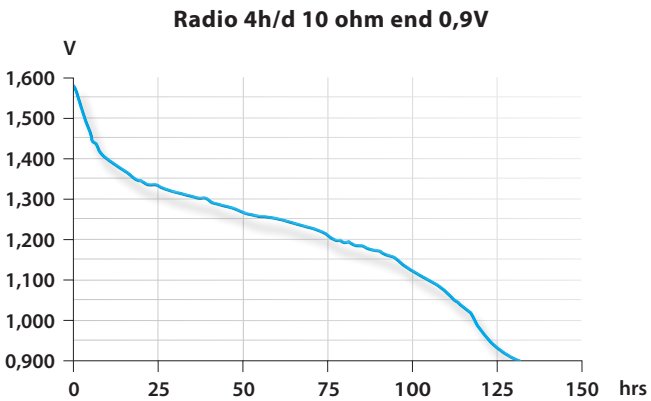
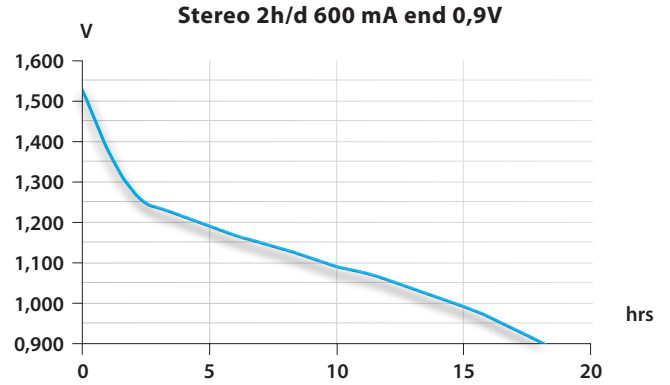
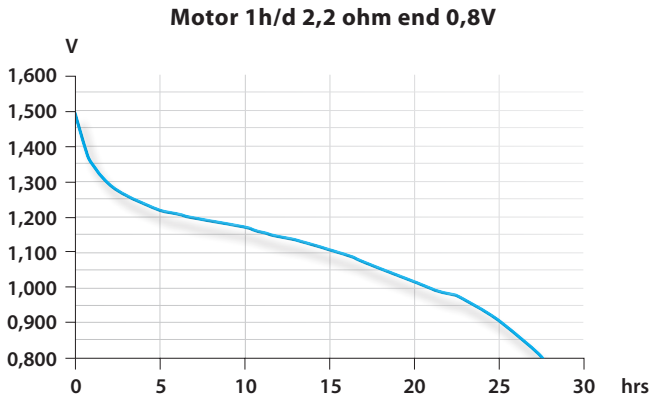
For more information:

[www.panasonic-industrial.com](http://www.panasonic-industrial.com)

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ideas for life

# Typical discharge values

LR20AD



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For more information: [www.panasonic-industrial.com](http://www.panasonic-industrial.com)