

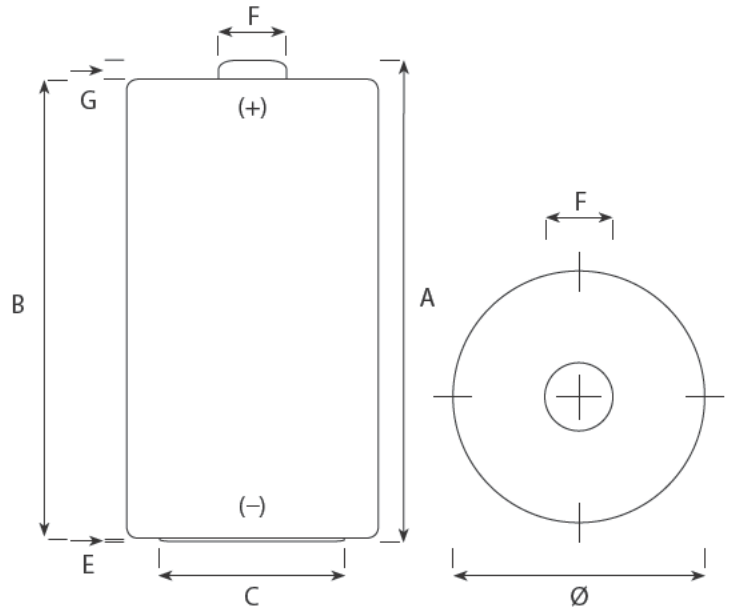
# Product Datasheet

## Alkaline

### Powerline



LR20AD



IEC Dimensions (mm)		
Dimension	Maximum	Minimum
A	61,5	—
B	—	59,5
C	—	18,0
E	1,0	—
F	9,5	—
G	—	1,5
Ø	34,2	32,3

### 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>	140 g
<b>Storage temp. range</b>	+10°C (50°F) ~ +25°C (77°F)
<b>Operating temp. range</b>	-20°C (-4°F) ~ +55°C (131°F)
<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 60086-1, IEC 60086-2, IEC 60086-5 non dangerous goods regulation EU directive 2006/66/EC Nordic Ecolabel
<b>Recommended cut off voltage</b>	0,8V per cell (0,9V per cell for multi series usage)

For more information:

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

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# Typical discharge values

## LR20AD

