

PRODUCT SPECIFICATION					3 pages	
Individual Product Specification						
<div>Specifications for Prismatic Zinc Carbon Battery 3R12R</div>						
Date of stipulation: 1992-03-02		Stipulated				Described

PRODUCT SPECIFICATION

Mix

Individual Product Specification

1. Battery identification

name

type

nominal voltage

average weight

manufactured

3R12R

Leclanché/MNO²/ Zn / NH₄Cl electrolyte

4.5 V

110 gr.

Made in EU

2. Battery dimensions

As per attached drawing

Volume : 84.4 cm³

3. Typical battery performance

Discharge modes

Test	Resistance	Daily period	End point	Result	Ampère
	15 Ω	4 min/h, 8h/d , 7 d/w	3.0/2.7 V	310m/380m	1.18/1.40
	10 Ω	10 min/d , 7 d/w	3.0/2.7 V	225m/280m	1.21/1.46
	75 Ω	4h/d, 7 d/w	3.0/2.7 V	28h/31h	1.35/1.47

Open circuit voltage (OCV)

Minimum average duration

	Initial*	After 12 months storage **
OCV (at 20±2 ⁰ C)	4.5 V	
Min. aver. duration (at 20±2 ⁰ C)***	22.0 h	

* The initial discharge test shall commence with 30 days since manufacture.

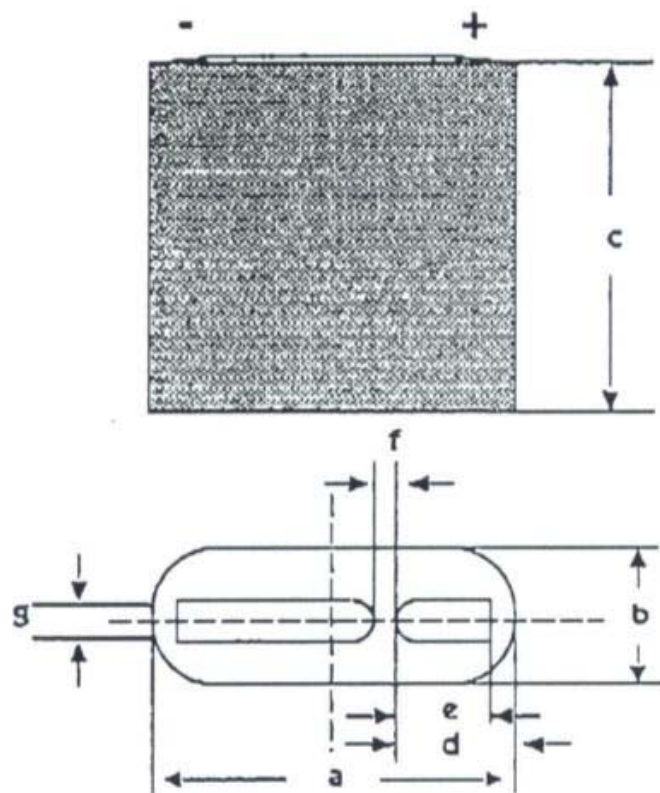
During this period, the batteries are kept under the condition of 20±2⁰C.

** During this period, the batteries shall also be kept under the condition of 20±2⁰C.

*** 220 Ω, at 20°C down to 2.7 V

4. Mercury and Cadmium contents

No Mercury (Hg) and Cadmium (Cd) are used in battery.



Dim	Max	Min
a	62 mm	60 mm
b	22 mm	20 mm
c	67 mm	63 mm
d		23 mm
e		16 mm
f		1 mm
g	7 mm	6 mm

