## LRV08 (23A) (SY002 19)

## 26/July/2019

Panasonic Energy (Shanghai) Co., Ltd.			
Director	Factory Manager	echnical Department	
Approved	Checked	Checked	Described
EAS)	(F.)	多邹	类类

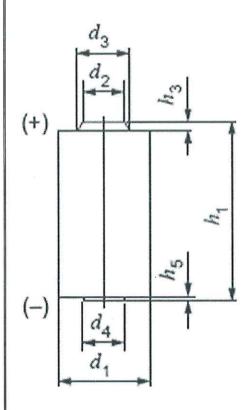
<sup>\*</sup> No Mercury added.

Ir-								
]	Produc	t Sp	ecifica	itions	SY002	19		
]	LRV08		(9):		Alkali	ne Batte	ery	6
R	eference	IECE	60086-2					
1. 2. 3. 4. 4.1 4.2	Minim of 8. (	Voltage Weight ance shall shal	ge: 12 t: 7. atisfy Tab verage Deg). o leakage	RV08 2V 92 g ble-1 after the test mentiouration (MAD): Durat	ion shall be ove	er the value		able-1 after the test
			Table-1	: Performance esting condition		DE	CCSH SPEC (1)	
			Load (Ω)	Discharging time per day	End point (V)	Unit	Initial	20 °C After 12 months
	OCV (²)			-	_	V	Min. (12.4)	Min. (12.08)
			470	24h	6.0	m	50	40
	mum Ave	rage	20K	24h	6.0	h	92	85
	Duration (MAD)							
nce to	Over disch	narge	Cf. Table	-2	surface of an dimension.	y battery	nor deformation	olyte leakage on the n of the specified
Resistance to Leakage	Under h temperat		Cf. Table	-2				olyte leakage on the n of the specified
	Note (1)	giv	en in Table	the period during which a e 1.The expiry code with 3 th parenthesis is informativ	6 months is appli			eteristic MAD values
<ul><li>5.</li><li>6.</li><li>7.</li></ul>	Dimensio Terminal Appearai	s:	(+)Cap There s There s	attached drawings.  (-) Base hould be no rust or deform hould be no stain, scratch a rking on surface shall be c	and deformation			n use.
Stipu	lation	26	/July/201	9 First Edition				
						-		

Product Spec	ifications	SY002 19
LRV08		Alkaline Battery
shall be $(60 \pm 8.2)$ Testing method		$20 \pm 2$ °C and the relative humidity od only, it may be $20 \pm 5$ °C.
Table-2 : Testing i		
Open Circuit Voltage	After storing more than 8 hours, measure with a volthe condition of 8.1.  The accuracy of voltmeter shall be within 0.25% of The resistance shall be with minimum 1MΩ.	
Service Life	Battery shall be discharged as specified condition up drops for the first time below the specified end poil discharge should be accumulated the time on load)  a) Commencement: after storing more than 8 hours to Discharging method: Base on Table-1  c) Calculation of average service life.  Test eight batteries and calculate the average.	nt.(service life under the intermittent
Resistance to Leakage at Over Discharge	Test under the condition.  After usual discharging test, the discharge is repeate for the first time below 0.6V.	d until CCV drops
Resistance to Leakage at High Temperature	After storing for 30 days in 45±2°C below 70%(RH)	
Dimensions	Measure with a caliper, which has under 200mm me scale value as specified JIS B 7507 or an instrument.	asuring range and 0.05mm minimum
Terminal	Inspect by visual.	, which has more accuracy.
Appearance	Inspect by visual.	
9. Marking Specified as the	e drawing of designs	
10. Scope These specificat	ions are applied to the Alkaline Batteries made by Par	nasonic Energy (Shanghai) Co., Ltd

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Product Specifications	SY002 19
LRV08	Alkaline Battery



Drawing-1 LRV08

Reference drawing: IEC60086-2

Unit:mm

	Max.	Min.
$h_1$	28.5	27.7
$h_2$		
$h_3$		
h₄		*
$d_I$	10.3	9.8
$d_3$		
$d_6$		
d <sub>7</sub>		
φP Pip		
Pip		

Note 1. Numerical value with parentheses: informative

- 2. The symbols of dimensions are as following.
- h<sub>1</sub> :Overall height
- *h*<sub>2</sub> :Distance between (+) and (-) terminals, excluding pip.
- $h_3$ : Projected height of (+) contact, excluding pip.
- $h_4$ : Recess of (–) flat contact surface from outside cover.
- $d_1$ : Diameter of the battery.
- d<sub>3</sub> :Diameter of the specified projection of (+) terminal.
- $d_6$ : Outer diameter of (-) flat contact surface
- $d_7$ : Diameter of concave part of central (-) terminal.
- $\varphi P$ : Concentricity of the positive contact
- Pip: Height of pip.