

Battery Specifications

Model	Voltage (V)	Capacity (AH)				Dimensions (mm)				Maximum Charge Current (A)	Maximum Discharge Current (A) (1sec)	Charge Voltage in Float Use (per cell) (V)	Charge Voltage in Cyclic Use (per cell) (V)	Approximate Weight (Kg)	Design Float Life
		20 hr	10 hr	5 hr	1 hr	Length	Width	Height	Total Height						
SSP6 - 4	6	4.00	3.70	3.40	2.48	70	47	101	106	1.2	60	2.275	2.450	0.71	5 years
SSP12 - 4.5	12	4.50	4.20	3.82	2.79	90	70	102	106	1.35	68	2.275	2.450	1.52	5 years
SSP12 - 7	12	7.00	6.50	5.90	4.34	151	65	93	98	2.1	210	2.275	2.450	2.18	5 years
SPG12 - 9	12	9.00	8.50	8.00	5.80	151	65	93	98	2.7	335	2.275	2.450	2.78	10 years
SSP12 - 12	12	12.00	11.20	10.20	7.44	151	98	94	100	3.6	360	2.275	2.450	3.50	5 years
SSP12 - 17	12	17.00	15.80	14.45	10.70	181	76	166	166	5.1	400	2.275	2.450	5.60	5 years
SP12 - 26	12	26.00	24.20	22.10	16.10	166	175	125	125	7.8	400	2.275	2.450	8.40	10 years
SP12 - 42	12	42.00	39.10	35.70	26.00	196	165	176	176	12.6	500	2.275	2.450	13.50	10 years
SP12 - 65	12	65.00	60.50	57.50	39.00	324	166	174	174	19.5	600	2.275	2.450	21.00	10 years
SPG12 - 75	12	82.00	75.00	63.00	49.50	261	173	221	224	22.5	700	2.275	2.450	26.50	10 years
SP12 - 100	12	100.00	96.00	85.00	61.00	329	172	216	224	30.0	800	2.275	2.450	33.00	10 years
SP12 - 120	12	120.00	110.40	102.00	73.20	407	173	224	232	36.0	800	2.275	2.450	36.90	10 years
SP12 - 150	12	150.00	139.50	127.50	90.00	497	203	228	236	45.0	800	2.275	2.450	48.10	10 years
SP12 - 200	12	200.00	186.00	170.00	120.00	497	259	228	236	60.0	1000	2.275	2.450	62.70	10 years

Give your UPS a healthy heart and long, trouble free life. Switch to Relicell.

Relicell is brought to you by Greenvision Technologies, a leading provider of IT Infrastructure Solutions and Services with a specific focus on energy efficiency and care for the environment. Headquartered in Bangalore, India, we have a network of offices and service centers across the country.

For more information on Relicell please contact us at:

Greenvision Technologies Pvt. Ltd

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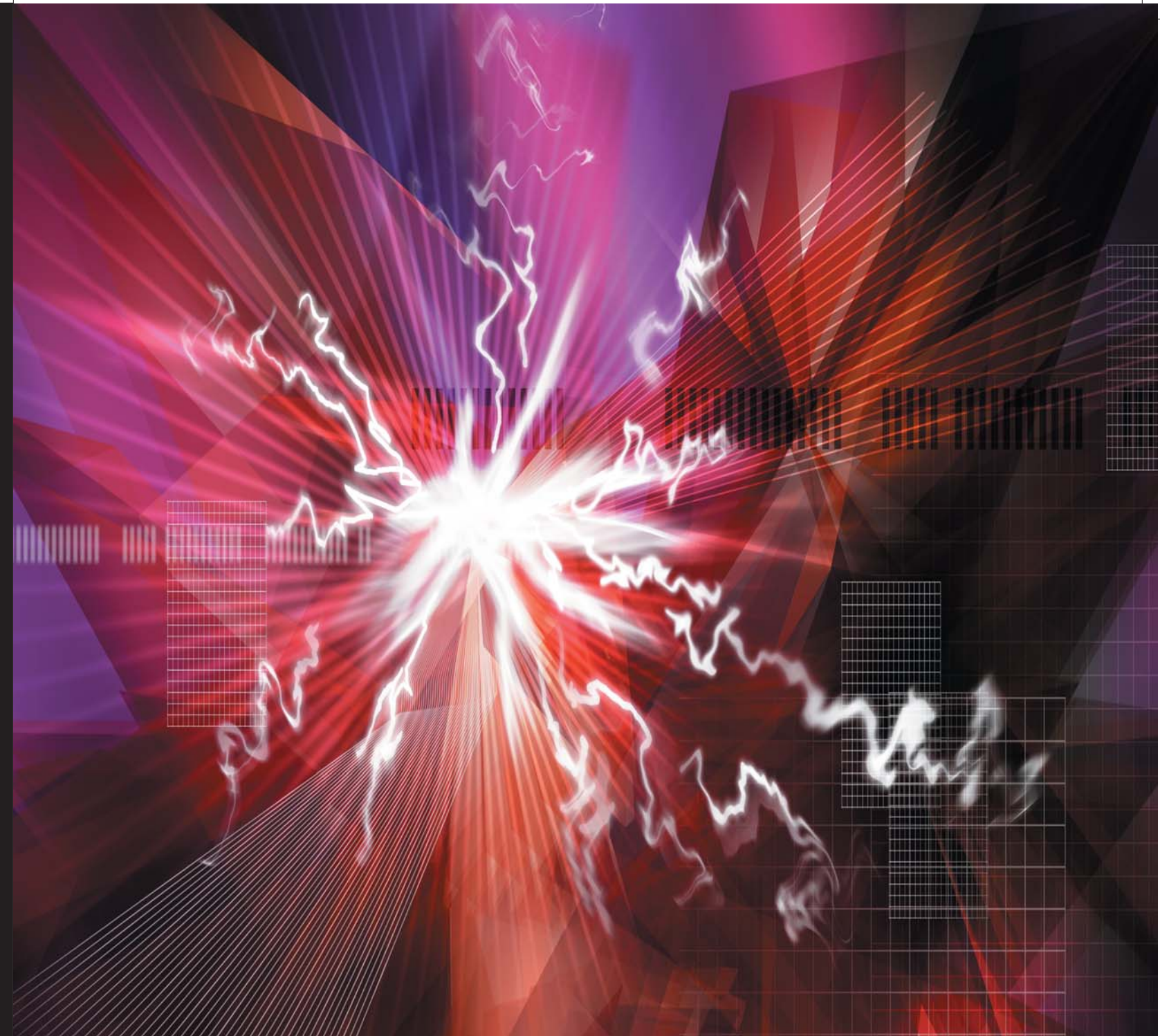
Branches

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Relicell Service Centres in India

- Agra ■ Ahmedabad ■ Aurangabad ■ Bangalore ■ Baroda ■ Bhopal ■ Bhubaneshwar ■ Chandigarh ■ Chennai ■ Cochin ■ Coimbatore
- Dehradun ■ Delhi ■ Ghaziabad ■ Goa ■ Gurgaon ■ Guwahati ■ Hubli ■ Indore ■ Jabalpur ■ Jaipur ■ Jammu ■ Kolkata ■ Lucknow ■ Ludhiana
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www.relicellbattery.com



Make sure the UPS you sell has a healthy heart

RELICELL

Batteries from a company that understands power

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The battery is the heart of the UPS.

It forms 40% of the cost of UPS ownership.

It is also the cause of 40% of UPS problems.

Here is how you can ensure that the UPS you supply has a battery that is reliable, robust and totally maintenance free.

A healthy heart for a healthy UPS

Relicell, from Greenvision Technologies, is a world-class UPS battery that is completely maintenance free.

With Relicell, you can be sure that the battery you supply matches the best global standards.

Relicell is produced at a state of the art battery manufacturing facility using advanced AGM VRLA technologies and high purity material. It has a long float and cyclic life span, high specific energy and low self discharge rate. Completely leak proof, it has excellent anti-corrosion properties and performs flawlessly in varying temperature conditions as well.

Relicell batteries have a design life from 5 to 15 years depending on the model.

Unlike most battery manufacturers, Relicell understands the criticality and importance of timely warranty service and back-up. All Relicell batteries are backed by a 13 month warranty. Warranty replacements are available across India at 45 'Relicell Service Centres'.

Features

Design life - 5 to 15 years at 25°C depending on the model

High specific energy

Excellent cyclic performance and recovery after over discharging

High purity material ensuring low rate of self discharge

Valve regulated (sealed) construction for safe operation in any position

Maintenance Free

Compact design with high power to weight ratio

High impact casing

Wide range of applications

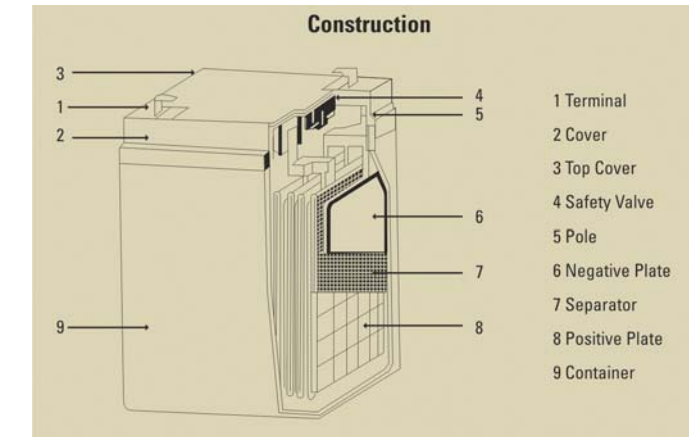
UPS, Emergency back up power, Emergency lighting, Solar and wind energy storage, Communications power supply and Generator DC control power supply, Electronic weighing machines

Available ranges

12V, 4.5AH to 12V, 250AH

6V, 4AH to 6V, 14AH

2V, 100AH to 2V, 3000AH



Construction

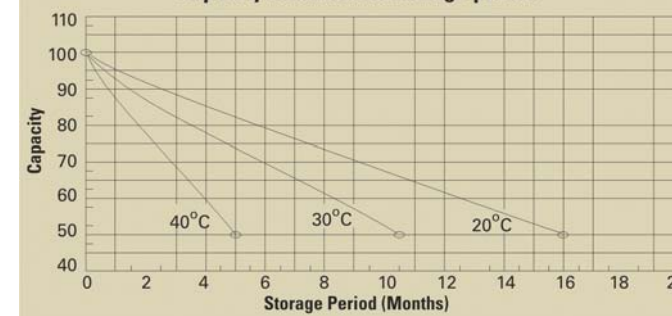
- 1 Terminal
- 2 Cover
- 3 Top Cover
- 4 Safety Valve
- 5 Pole
- 6 Negative Plate
- 7 Separator
- 8 Positive Plate
- 9 Container

Storage Instructions

During storage, batteries gradually lose their capacity due to self-discharge. Relicell's self-discharge rate is low – typically $\leq 2\%$ month at 25 °C. However, it is recommended that specific precautions be taken to prevent the battery from over self-discharging when it is stored or otherwise not operational.

- Batteries should be stored in a cool, dry place. They should not be exposed to sunshine, or other sources of radiant heat like radiators, heating units, stoves, steam pipes etc.
- Recommended storage temperature is 10 °C to 20 °C.
- Humidity should be as low as possible.

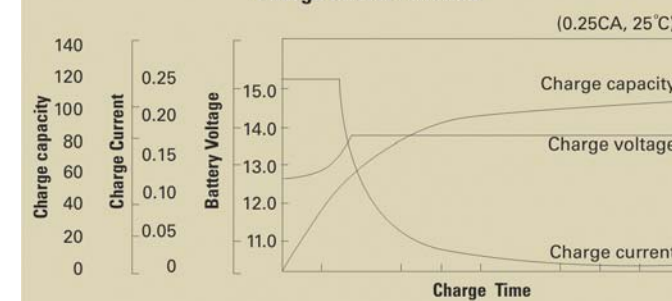
Capacity retention vs. storage period



Charging Characteristics

Constant voltage charging is recommended for Relicell batteries. The charging characteristics are shown in the graph.

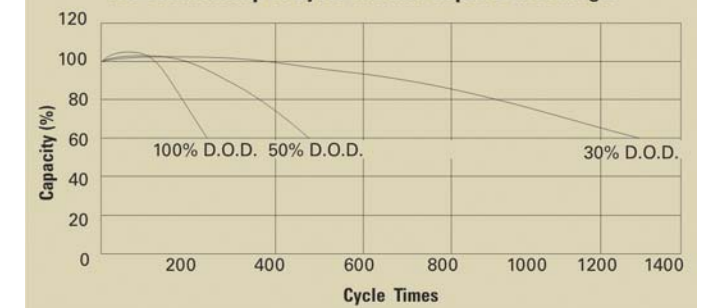
Charge characteristics (0.25CA, 25°C)



Battery Life

Battery cyclic life is highly dependent on the depth of discharge that the battery experiences during each cycle. The various number of cycles related to the depth of discharge is shown in the graph.

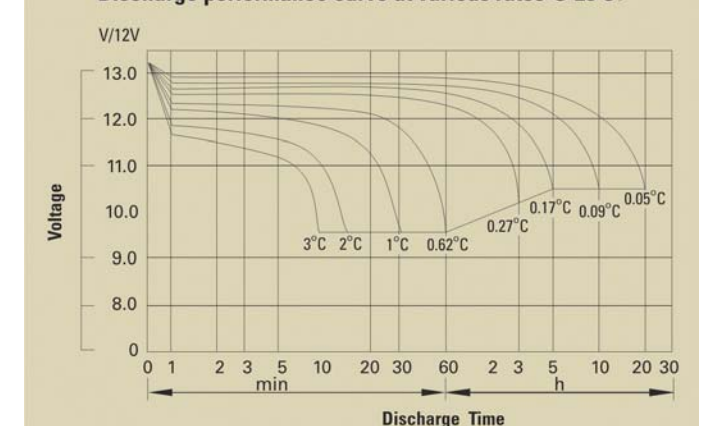
The relationship of cycle life and depth of discharge.



Battery Discharging

The capacity of a Relicell battery is the amount of electrical energy that can be obtained from a full charged cell. The capacity is expressed in Ampere Hours (AH). The capacity value is dependent on the discharge current, the temperature during discharge and the final cut off voltage.

Discharge performance curve at various rates @ 25°C



R u g g e d . R o b u s t . R e l i a b l e .

R u g g e d . R o b u s t . R e l i a b l e .