

2V Hard Rubber Container Stationary Cells



UNIK TECHNO SYSTEMS PVT. LTD.

W-251, MIDC. Bhosari, Pune - 411 026. INDIA. TEL.: +91-20-27110868. FAX: +91-20-27111798.

Email: info@unikautomation.com Visit us at: www.unikbatteries.com

UNIK Stationary Cells

Sr. No.	Type	Voltage & Capacity	Cell Dimensions in mm			Electrolyte Volume Per Cell in Ltrs.	Approx Dry Weight Kgs.	Approx Filled Weight Kgs.
			L	W	H A / B			
1	UIS 20	2V - 20	167	95	220 / 300	1.9	4.100	6.400
2	UIS 40	2V - 40	167	95	220 / 300	1.7	5.100	7.100
3	UIS 60	2V - 60	167	95	220 / 300	1.6	6.100	8.000
4	UIS 80	2V - 80	167	95	220 / 300	2.4	7.700	10.500
5	UIS 100	2V - 100	172	143	326 / 426	4.0	10.300	15.000
6	UIS 120	2V - 120	172	143	326 / 426	3.9	12.000	16.700
7	UIS 150	2V - 150	172	143	326 / 426	3.7	13.200	17.600
8	UIS 200	2V - 200	189	186	390 / 490	6.5	17.500	25.300
9	UIS 200	2V - 250	260	210	430 / 535	13.1	26.600	42.300
10	UIS 300	2V - 300	260	210	430 / 535	14.7	29.200	46.600
11	UIS 350	2V - 350	260	210	430 / 535	12.6	35.000	50.000
12	UIS 400	2V - 400	260	210	430 / 535	11.9	36.200	51.000
13	UIS 450	2V - 450	260	210	430 / 535	11.3	37.500	51.000
14	UIS 500	2V - 500	375	190	430 / 535	14.0	43.000	60.100
15	UIS 550	2V - 550	375	190	430 / 535	15.4	47.000	65.200
16	UIS 600	2V - 600	375	190	430 / 535	15.7	47.300	65.500
17	UIS 650	2V - 650	375	190	430 / 535	15.3	50.500	68.600

A : Container Height

B : Overall Cell Height

Relationship between capacity & discharge rate w.r.t. time

Hours	1	2	3	4	5	6	7	8	9	10
Final Voltage	1.75	1.78	1.80	1.81	1.82	1.83	1.83	1.84	1.84	1.85
% age of 10 hr. capacity	50.0	63.3	71.7	78.2	83.3	87.9	91.7	95.0	97.9	100

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High Discharge Performance UNIK Stationary Cells

Sr. No.	Type	Voltage & Capacity	Cell Dimensions in mm			Acid Volume Ltrs.	Dry Cell Weight Kgs.	Filled Cell Weight Kgs.
			L	W	H A / B			
1	UIS 100 H	2V - 100	172	143	326 / 426	3.9	12.000	16.700
2	UIS 200 H	2V - 200	189	186	390 / 490	6.1	19.600	26.900
3	UIS 250 H	2V - 250	260	210	430 / 535	12.4	25.800	40.000
4	UIS 300 H	2V - 300	260	210	430 / 535	12.0	30.700	45.700
5	UIS 400 H	2V - 400	260	210	430 / 535	12.2	38.600	52.900
6	UIS 600 H	2V - 600	375	190	430 / 535	14.6	52.000	69.500

A : Container Height

B : Overall Cell Height

Relationship between capacity & discharge rate w.r.t. time

Hours	1	3	5	10
Final Voltage	1.75	1.80	1.82	1.85
% age of 10 hr. capacity	60.0	81.0	90.0	100.0

UNIK High Discharge Performance (HDP) Stationary Batteries are specially designed to meet emergency power requirements of large currents for a relatively short duration.

Normal Discharge Performance (NDP) Stationary Batteries are designed for meeting moderate currents over a long period of time and are not optimal for meeting high loads of short duration.

The UNIK HDP Stationary Batteries are specially designed such that they conform to I.S. 1651 -1991 and are thus suited for the demanding applications of the Indian Market also in addition to meeting international quality requirements.

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UNIK Stationary Cells

UNIK range of tubular positive plate cells deliver high power at all rates of discharge and work well under arduous conditions. They are suitable for any kind of application from stand-by float duty to frequent charge & discharge cycles.

Applications

- ❑ Emergency Lighting
- ❑ Switchgear Operation
- ❑ Telecommunications
- ❑ Uninterrupted Power Supply System
- ❑ Solar Photovoltaic / Wind Power Systems

UNIK Batteries Offer

- ❑ Longer service life because of its rugged tubular positive plate of high discharge performance design and the use of special alloy grids
- ❑ Deep discharge capability due to balanced active material and optimum electrolyte reserve
- ❑ Reduced maintenance and low self-discharge losses due to unique design
- ❑ Excellent battery performance due to minimal voltage drop across the battery terminal and lead-plated intercell connectors
- ❑ Extremely compact battery design due to high volumetric energy density which facilitates accommodation under space constraints