

Stationary Cells



UNIK Stationary Cells for UPS Systems

Sr. No.	Type	Voltage & Capacity	No. of Terminals Per Cell		Dimensions in mm			Dry Cell Weight Kgs.	Filled Cell Weight Kgs.	Acid Volume Ltrs.
			+ve	-ve	L	W	H			
1	2 U DS 50	2 V 100 AH	1	1	103	206	420	8.600	13.500	4.0
2	3 U DS 50	2 V 150 AH	1	1	103	206	420	10.700	15.200	3.6
3	4 U DS 50	2 V 200 AH	1	1	103	206	420	12.500	16.716	3.4
4	5 U DS 50	2 V 250 AH	1	1	124	206	420	14.900	20.356	4.4
5	6 U DS 50	2 V 300 AH	1	1	145	206	420	17.700	23.280	4.5
6	5 U DS 70	2 V 350 AH	1	1	124	206	555	20.600	27.668	5.7
7	6 U DS 70	2 V 420 AH	1	1	145	206	555	23.500	32.552	7.3
8	7 U DS 70	2 V 490 AH	1	1	166	206	555	28.100	38.516	8.4
9	6 U DS 100	2 V 600 AH	1	1	145	206	730	31.100	47.344	13.1
10	8 U DS 100	2 V 800 AH	2	2	191	210	730	44.200	61.808	14.2
11	10 U DS 100	2 V 1000 AH	2	2	233	210	730	51.000	71.584	16.6
12	12 U DS 100	2 V 1200 AH	2	2	275	210	730	66.600	90.904	19.6
13	12 U DS 125	2 V 1500 AH	2	2	275	210	880	86.000	118.000	25.5
14	14 U DS 125	2 V 1750 AH	3	3	397	212	860	103.000	149.500	37.5
15	16 U DS 125	2 V 2000 AH	3	3	397	212	860	108.000	153.000	36.5
16	20 U DS 125	2 V 2500 AH	4	4	487	212	860	130.000	185.000	45.4
17	24 U DS 125	2 V 3000 AH	4	4	576	212	860	160.000	228.000	56.0
18	28 U DS 125	2 V 3500 AH	4	4	576	212	860	170.000	242.000	54.0

Specific Gravity of operation & testing 1.240 +/- 0.005 at 27°C

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

Hours	10	9	8	7	6	5	4	3	2	1
Capacity %	100	97.9	95.0	92.7	89.6	85.8	79.2	74.7	64.2	51.0
Final Voltage	1.80	1.80	1.78	1.78	1.77	1.77	1.76	1.75	1.70	1.67

RECOMMENDED ACCESSORIES

- Inter cell connectors
- Inter row connectors
- Inter tier connectors
- Suitable fasteners
- Cell number plates
- Acid resistant battery stands



UNIK Stationary Cells for Solar Photovoltaic Systems

Sr. No.	Type	Capacity AH		Cell Dimensions approx in mm (L) x (W) x (H) A / B	Dry Cell Weight Kgs.	Filled Cell Weight Kgs.	Acid Volume Ltrs.
		C10	C120				
		Final Voltage 1.80 V	Final Voltage 1.85 V				
1	2 UDS 50 SOL	100	150	103 x 206 x 345/450	8.600	13.600	4.0
2	3 UDS 50 SOL	150	225	103 x 206 x 345/450	10.700	15.100	3.6
3	4 UDS 50 SOL	200	300	103 x 206 x 345/450	12.500	16.600	3.4
4	5 UDS 50 SOL	250	375	124 x 206 x 345/450	14.900	20.000	4.4
5	6 UDS 50 SOL	300	450	145 x 206 x 345/450	17.700	23.200	4.5
6	5 UDS 70 SOL	350	525	124 x 206 x 460/555	20.600	27.600	5.7
7	6 UDS 70 SOL	420	630	145 x 206 x 460/555	23.500	32.300	7.3
8	7 UDS 70 SOL	490	735	166 x 206 x 460/555	28.100	38.400	8.4
9	6 UDS 100 SOL	600	900	145 x 206 x 636/730	31.100	43.500	13.1
10	8 UDS 100 SOL	800	1200	191 x 210 x 636/730	44.200	59.800	14.2
11	10 UDS 100 SOL	1000	1500	233 x 210 x 636/730	51.100	71.000	16.5
12	12 UDS 100 SOL	1200	1800	275 x 210 x 636/730	66.600	90.000	19.6
13	12 UDS 125 SOL	1500	2250	275 x 210 x 762/880	86.000	118.000	25.6
14	16 UDS 125 SOL	2000	3000	399 x 214 x 762/860	108.000	153.000	36.5
15	20 UDS 125 SOL	2500	3750	487 x 214 x 762/860	130.000	185.000	45.4
16	20 UDS 125 SOL	3000	4500	576 x 214 x 762/860	160.000	228.000	65.4

A : Container Height

B : Overall Cell Height

Specific Gravity of operation & testing 1.245 +/- 0.005 at 27°C

SUGGESTED ACCESSORIES FOR BATTERY MONITORING & MAINTENANCE

- Hydrometer with specific gravity range 1.100 to 1.300
- Thermometer with temperature range 0°C to 110°C
- Insulated spanner
- Acid resistant hand gloves.
- Rubber siphon & plastic syringe.
- Plastic funnel and jug.
- Knee height rubber gum boots and plastic apron.
- Petroleum jelly
- Cell number plates.



About Us

Unik Techno Systems Pvt. Ltd. is a highly reputed manufacturer with a unique distinction of being associated for more than 55 years with the battery industry. All UNIK products are manufactured under stringent quality parameters conforming to Indian, German & British Standards as applicable.

The varied range of industrial batteries manufactured by UNIK are sold to OE vehicle manufacturers in India, replacement markets and reputed institutions and companies located all over India. UNIK also exports its products to South East Asian countries, Gulf, Africa, Australia and various locations around the world. UNIK products are presently being used in 17 countries and the company is now focused on newer markets to expand its base.

The excellent quality of UNIK batteries have resulted into repeat orders from our existing customers in India & across the globe.



Salient Features

- Transparent containers for visual inspection & easy maintenance
- Minimum loss of capacity on storage in idle condition
- Low maintenance, instant installation and eco-friendly
- Excellent charge acceptance characteristics
- Long service life on float charging mode
- Compact and sleek in addition to aesthetic appearance
- Proven design providing reliable power supply
- High discharge performance cells can be offered on specific request



Applications

- Solar photovoltaic power generation systems
- Large uninterrupted power systems (UPS / EPS & Inverters)
- Stand by power for critical generating power stations
- Switching systems
- Stand by power source in sub stations
- Main telephone exchanges
- Rural automatic telephone exchanges
- Signaling & telecommunication systems
- Satellite communication systems
- Power supply for instrumentation systems

UNIK TECHNO SYSTEMS PVT. LTD.

India Office: J 52/4, MIDC, Bhosari, Pune 411 026, Maharashtra, INDIA. Phone: +91 20 2712 8881 / 2711 1798
Email: info@unikautomation.com Visit us at: www.unikbatteries.in