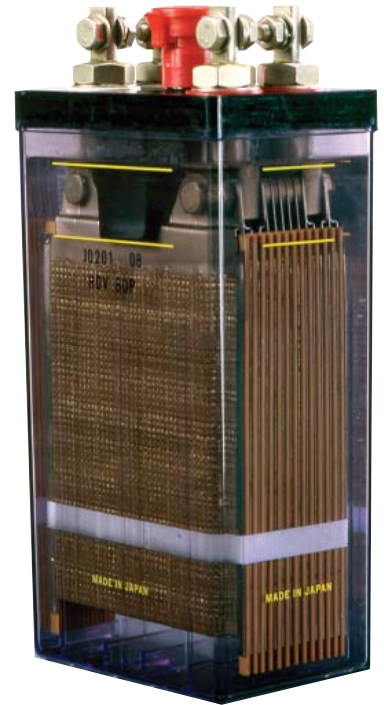


Power

Ni-Cd Clear Case

Nickel Cadmium Alkaline Battery



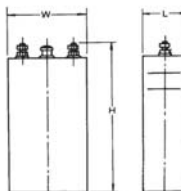
- High performance alkaline storage battery
- Cells do not emit any corrosive fumes and can be placed near delicate electrical equipment
- Strong impact-resistant container protects against shocks and vibrations
- Wide operating temperature range from -20 to 50°C (-4 to 122°F)
- 20-year proven design life
- 5-year full warranty

The Clear Case Nickel Cadmium battery is designed to provide backup battery power to support various critical applications. HDV Ni-Cd Clear Case models are available for very high discharge rates. The impact-resistant clear case allows the user to easily observe electrolyte levels, as the batteries require minimal topping throughout their lifecycle. Each battery is delivered in charged condition filled with electrolyte.

Ni-Cd Clear Case

General Specifications

Model:	HDV very high rate
Standard Warranty:	5 yr full plus 15 yr prorated
Service Life:	20 yr
Range of Capacity:	10 to 450Ah
Time of Discharge:	1sec to 1hr
Operating Temperature Range:	-20 to 30°C (-36 to 90°F)
Terminal Type:	Threaded Nickel Plated Post



HDV-P Mechanical Specifications

Cell type Vented		Dimensions (in/mm)			Weight (kg/lb)	Electrolyte (liters)
		H	W	L		
HDV 10P	10	10.7/272	5.6/143	2.0/52	2.8/1.3	0.9
HDV 20P	20	10.7/272	5.6/143	2.0/52	3.1/1.4	0.7
HDV 30P	30	11.1/282	5.6/143	3.0/76	4.7/2.1	1.3
HDV 40P	40	11.1/282	5.6/143	3.0/76	5.2/2.4	1.0
HDV 50P	50	11.1/282	5.7/145	3.9/100	6.9/3.1	1.4
HDV 60P	60	11.1/282	5.7/145	3.9/100	7.2/3.3	1.2
HDV 80P	80	14.6/370	6.7/170	4.7/120	11.0/5	2.8
HDV 100P	100	14.6/370	6.7/170	4.7/120	12.0/5.5	2.4
HDV 120P	120	14.6/370	6.7/170	7.7/195	17.0/7.7	5.3
HDV 150P	150	14.6/370	6.7/170	7.7/195	19.5/8.9	4.6
HDV 200P	200	14.6/370	6.7/170	11.2/285	27.0/12.3	7.6
HDV 250P	250	14.6/370	6.7/170	11.2/285	31.0/14.1	6.4
HDV 300P	300	14.6/370	6.7/170	15.6/390	39.0/17.7	9.4
HDV 350P	350	14.6/370	6.7/170	15.6/390	42.0/19.1	8.6
HDV 400P	400	14.6/372	6.7/170	20.3/515	51.0/23.2	13.0
HDV 450P	450	14.6/372	6.7/170	20.3/515	55.0/25.0	12.0

HDV – Available Amperes @ 25°C (77°F) Fully Charged

End Voltage 1.00V/Cell

		Seconds				Minutes						
		1	5	15	30	1	5	10	15	20	30	60
HDV 10P	10	107	91	88	83	77	56	44	33	26	19	10
HDV 20P	20	215	182	175	167	154	111	87	67	53	38	20
HDV 30P	30	323	273	263	250	231	167	130	100	79	57	31
HDV 40P	40	430	364	351	333	308	222	174	133	105	75	41
HDV 50P	50	538	455	439	417	385	278	217	167	132	94	52
HDV 60P	60	645	545	526	500	462	333	261	200	158	113	61
HDV 80P	80	860	727	702	667	615	444	348	267	211	151	82
HDV 100P	100	1070	909	877	833	769	556	435	333	263	189	102
HDV 120P	120	1290	1090	1050	1000	923	667	522	400	316	226	122
HDV 150P	150	1610	1360	1310	1250	1150	833	652	500	395	283	153
HDV 200P	200	2150	1810	1750	1660	1530	1110	870	667	526	377	204
HDV 250P	250	2680	2270	2190	2080	1920	1380	1080	833	658	472	255
HDV 300P	300	3220	2720	2630	2500	2300	1660	1300	1000	789	566	306
HDV 350P	350	3760	3180	3070	2910	2690	1940	1520	1160	921	660	357
HDV 400P	400	4300	3630	3500	3330	3070	2220	1730	1330	1050	755	408
HDV 450P	450	4830	4090	3940	3750	3460	2500	1950	1500	1180	849	459

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