CELL DIMENSIONS AND CELL PERFORMANCE

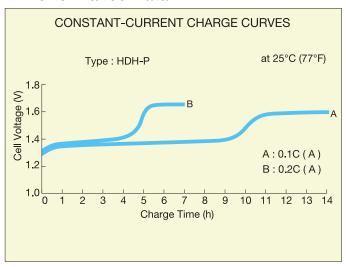
HIGH-RATE TYPE **HDH-P**

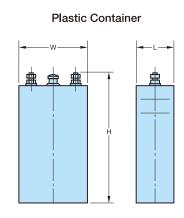
Dimensional Data (Plastic Container)

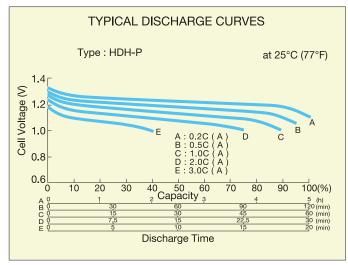
Call type	Rated	С	imensions (mn	٦)	Approx. Weight	Approx. Electrolyte
Cell type	Capacity (Ah/5H.R.)	Height	Width	Length	(kg)	(£)
HDH 10P	10	160	73	60	1.2	0.3
HDH 20P	20	272	143	52	2.9	0.9
HDH 30P	30	272	143	52	3.2	0.7
HDH 40P	40	272	143	52	3.4	0.5
HDH 50P	50	272	143	76	4.7	1.1
HDH 60P	60	280	145	100	6.1	1.6
HDH 80P	80	280	145	100	6.6	1.3
HDH 100P	100	370	170	120	11.0	3.2
HDH 120P	120	370	170	120	12.0	2.9
HDH 150P	150	370	170	120	13.0	2.6
HDH 200P	200	370	170	195	19.0	5.2
HDH 250P	250	370	170	195	21.5	4.4
HDH 300P	300	370	170	285	29.0	7.8
HDH 350P	350	370	170	285	31.0	7.2
HDH 400P	400	370	170	285	32.5	6.7
HDH 450P	450	370	170	390	43.5	10.0
HDH 500P	500	370	170	390	45.0	9.5
HDH 600P	600	372	170	515	56.0	13.5
HDH 700P	700	372	170	515	60.0	12.0

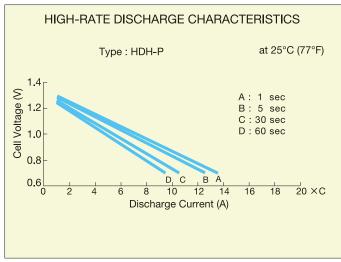
^{*}The nominal capacity refers to the 5h discharge rate to an end voltage of 1.10V/cell after charging for 7 hours with 5h-rate (0.2×C amps.)

Performance Data









HDH AVAILABLE AMPERES AT 25°C(77°F) FULLY CHARGED

END VOLTAGE 1.14V/CELL

Ce	ell	С				Hours						Min	utes			Seconds				
ty	pe	Ah	10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	15	5	1	
HDH	10P	10	0.99	1.24	1.96	2.70	3.57	4.35	5.81	9.09	11.6	13.5	16.1	20.0	26.3	30.3	33.3	37.0	41.7	
HDH	20P	20	1.98	2.47	3.92	5.41	7.14	8.70	11.6	18.2	23.3	27.0	32.3	40.0	52.6	60.6	66.7	74.1	83.3	
HDH	30P	30	2.97	3.70	5.88	8.11	10.7	13.0	17.4	27.3	34.9	40.5	48.4	60.0	78.9	90.9	100	111	125	
HDH	40P	40	3.96	4.94	7.84	10.8	14.3	17.4	23.3	36.4	46.5	54.1	64.5	80.0	105	121	133	148	167	
HDH	50P	50	4.95	6.17	9.80	13.5	17.9	21.7	29.1	45.5	58.1	67.6	80.6	100	132	152	167	185	208	
HDH	60P	60	5.94	7.41	11.8	16.2	21.4	26.1	34.9	54.5	69.8	81.1	96.8	120	158	182	200	222	250	
HDH	80P	80	7.92	9.88	15.7	21.6	28.6	34.8	46.5	72.7	93.0	108	129	160	211	242	267	296	333	
HDH	100P	100	9.90	12.4	19.6	27.0	35.7	43.5	58.1	90.9	116	135	161	200	263	303	333	370	417	
HDH	120P	120	11.9	14.8	23.5	32.4	42.9	52.2	69.8	109	140	162	194	240	316	364	400	444	500	
HDH	150P	150	14.9	18.5	29.4	40.5	53.6	65.2	87.2	136	174	203	242	300	395	455	500	556	625	
HDH	200P	200	19.8	24.7	39.2	54.1	71.4	87.0	116	182	233	270	323	400	526	606	667	741	833	
HDH	250P	250	24.8	30.9	49.0	67.6	89.3	109	145	227	291	338	403	500	658	758	833	926	1040	
HDH	300P	300	29.7	37.0	58.8	81.1	107	130	174	273	349	405	484	600	789	909	1000	1110	1250	
HDH	350P	350	34.7	43.2	68.6	94.6	125	152	203	318	407	473	565	700	921	1060	1170	1300	1460	
HDH	400P	400	39.6	49.4	78.4	108	143	174	233	364	465	541	645	800	1050	1210	1330	1480	1670	
HDH	450P	450	44.6	55.6	88.2	122	161	196	262	409	523	608	726	900	1180	1360	1500	1670	1880	
HDH	500P	500	49.5	61.7	98.0	135	179	217	291	455	581	676	806	1000	1320	1520	1670	1850	2080	
HDH	600P	600	59.4	74.1	118	162	214	261	349	545	698	811	968	1200	1580	1820	2000	2220	2500	
HDH	700P	700	69.3	86.4	137	189	250	304	407	636	814	946	1130	1400	1840	2120	2330	2590	2920	

END VOLTAGE 1.10V/CELL

Ce	ell	С				Hours						Min	utes			Seconds				
ty	oe	Ah	10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	15	5	1	
HDH	10P	10	1.01	1.26	2.00	2.94	4.07	5.08	6.94	11.8	14.7	16.7	19.6	23.3	31.3	24.5	37.0	41.7	50.0	
HDH	20P	20	2.02	2.51	4.00	5.88	8.13	10.2	13.9	23.5	29.4	33.3	39.2	46.5	62.5	69.0	74.1	83.3	100	
HDH	30P	30	3.03	3.77	6.00	8.82	12.2	15.2	20.8	35.3	44.1	50.0	58.8	69.8	93.8	103	111	125	150	
HDH	40P	40	4.04	5.03	8.00	11.8	16.3	20.3	27.8	47.1	58.8	66.7	78.4	93.8	125	138	148	167	200	
HDH	50P	50	5.05	6.28	10.0	14.7	20.3	25.4	34.7	58.8	73.5	83.3	98.0	116	156	172	185	208	250	
HDH	60P	60	6.06	7.54	12.0	17.7	24.4	30.5	41.7	70.6	88.2	100	118	140	188	207	222	250	300	
HDH	80P	80	8.08	10.1	16.0	23.5	32.5	40.6	55.6	94.1	118	133	157	186	250	276	296	333	400	
HDH	100P	100	10.1	12.6	20.0	29.4	40.7	50.8	69.4	118	147	167	196	233	313	345	370	417	500	
HDH	120P	120	12.1	15.1	24.0	35.3	48.8	60.9	83.3	141	176	200	235	279	375	414	444	500	600	
HDH	150P	150	15.2	18.8	30.0	44.1	61.0	76.1	104	176	221	250	294	349	469	517	556	625	750	
HDH	200P	200	20.2	25.1	40.0	58.8	81.3	102	139	235	294	333	392	465	625	690	741	833	1000	
HDH	250P	250	25.3	31.4	50.0	73.5	102	127	174	294	368	417	481	543	658	714	781	850	1050	
HDH	300P	300	30.3	37.7	60.0	88.2	122	152	208	353	441	500	577	652	789	857	938	1000	1150	
HDH	350P	350	35.4	44.0	70.0	103	142	178	243	412	515	583	673	761	921	1000	1090	1167	1340	
HDH	400P	400	40.4	50.3	80.0	118	163	203	278	471	588	667	769	870	1050	1140	1250	1330	1530	
HDH	450P	450	45.5	56.5	90.0	132	183	228	313	529	662	750	865	978	1180	1280	1400	1500	1730	
HDH	500P	500	50.5	62.8	100	147	203	254	347	588	735	833	962	1080	1320	1420	1560	1660	1920	
HDH	600P	600	60.6	75.4	120	176	244	305	417	706	882	1000	1150	1300	1570	1710	1870	2000	2300	
HDH	700P	700	70.7	87.9	140	206	285	355	486	824	1020	1160	1340	1520	1840	2000	2180	2330	2690	

END VOLTAGE 1.06V/CELL

C	ell	С				Hours						Min	utes			Seconds				
ty	ре	Ah	10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	15	5	1	
HDH	10P	10	1.02	1.26	2.01	3.17	4.37	5.56	7.75	13.7	17.9	20.8	25.0	29.4	38.5	41.7	45.5	50.5	58.8	
HDH	20P	20	2.03	2.53	4.02	6.35	8.73	11.1	15.5	27.4	35.7	41.7	50.0	58.8	76.9	83.3	90.9	100	118	
HDH	30P	30	3.05	3.79	6.03	9.52	13.1	16.7	23.3	41.1	53.6	62.5	75.0	88.2	115	125	136	150	176	
HDH	40P	40	4.06	5.05	8.04	12.7	17.5	22.2	31.0	54.8	71.4	83.3	100	118	154	167	182	200	235	
HDH	50P	50	5.08	6.31	10.1	15.9	21.8	27.8	38.8	68.5	89.3	104	125	147	192	208	227	250	294	
HDH	60P	60	6.09	7.58	12.1	19.0	26.2	33.3	46.5	82.2	107	125	150	176	231	250	273	300	353	
HDH	80P	80	8.12	10.1	16.1	25.4	34.9	44.4	62.0	110	143	167	200	235	308	333	364	400	471	
HDH	100P	100	10.2	12.6	20.1	31.7	43.7	55.6	77.5	137	179	208	250	294	385	417	455	500	588	
HDH	120P	120	12.2	15.2	24.1	38.1	52.4	66.7	93.0	164	214	250	300	353	462	500	545	600	706	
HDH	150P	150	15.2	18.9	30.2	47.6	65.5	83.3	116	205	268	313	375	441	577	625	682	750	882	
HDH	200P	200	20.3	25.2	40.2	63.5	87.3	111	155	274	357	417	500	588	769	833	909	1000	1170	
HDH	250P	250	25.4	31.6	50.3	79.4	109	139	194	342	446	521	581	676	833	893	962	1040	1190	
HDH	300P	300	30.5	37.9	60.3	95.2	131	167	233	411	536	625	698	811	1000	1070	1150	1250	1420	
HDH	350P	350	35.5	44.2	70.4	111	153	194	271	479	625	729	814	946	1160	1250	1340	1450	1660	
HDH	400P	400	40.6	50.5	80.4	127	175	222	310	548	714	833	930	1080	1330	1420	1530	1660	1900	
HDH	450P	450	45.7	56.8	90.5	143	197	250	349	616	804	938	1040	1210	1500	1600	1730	1870	2140	
HDH	500P	500	50.8	63.1	101	159	218	278	388	685	893	1040	1160	1350	1660	1780	1920	2080	2380	
HDH	600P	600	60.9	75.8	121	190	262	333	465	822	1070	1250	1390	1620	2000	2140	2300	2500	2850	
HDH	700P	700	71.1	88.4	141	222	306	389	543	959	1250	1450	1620	1890	2330	2500	2690	2910	3330	

END VOLTAGE 1.00V/CELL

C	ell	С				Hours						Min	utes			Seconds				
ty	pe	Ah	10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	15	5	1	
HDH	10P	10	1.02	1.27	2.02	3.39	4.73	6.17	8.93	16.1	21.3	24.4	27.8	33.3	45.5	50.0	58.8	61.5	71.6	
HDH	20P	20	2.04	2.54	4.04	6.78	9.43	12.4	17.9	32.3	42.6	48.8	55.6	66.7	90.9	100	118	125	143	
HDH	30P	30	3.06	3.81	6.06	10.2	14.2	18.5	26.8	48.3	63.8	73.2	83.3	100	136	150	176	188	214	
HDH	40P	40	4.08	5.08	8.08	13.6	18.9	24.7	35.7	64.5	85.1	97.6	111	133	182	200	235	250	286	
HDH	50P	50	5.10	6.34	10.1	16.9	23.6	30.9	44.6	80.7	106	122	139	167	227	250	294	313	357	
HDH	60P	60	6.12	7.61	12.1	20.3	28.3	37.0	53.6	96.8	128	146	167	200	273	300	353	375	429	
HDH	80P	80	8.16	10.2	16.2	27.1	37.7	49.4	71.4	129	170	195	222	267	364	400	471	500	571	
HDH	100P	100	10.2	12.7	20.2	33.9	47.2	61.7	89.3	161	213	244	278	333	455	500	588	625	714	
HDH	120P	120	12.2	15.2	24.2	40.7	56.6	74.1	107	194	255	293	333	400	545	600	706	750	857	
HDH	150P	150	15.3	19.0	30.3	50.8	70.8	92.6	134	242	319	366	417	500	682	750	882	938	1070	
HDH	200P	200	20.4	25.4	40.4	67.8	94.3	123	179	323	426	488	556	667	909	1000	1180	1250	1420	
HDH	250P	250	25.5	31.7	50.5	84.7	118	154	223	403	532	610	694	806	1000	1080	1190	1300	1450	
HDH	300P	300	30.6	38.1	60.6	102	142	185	268	484	638	732	833	968	1200	1300	1420	1500	1660	
HDH	350P	350	35.7	44.4	70.7	119	165	216	313	565	745	854	972	1120	1400	1520	1660	1750	1940	
HDH	400P	400	40.8	50.8	80.8	136	189	247	357	645	851	976	1110	1290	1600	1730	1900	2000	2220	
HDH	450P	450	45.9	57.1	90.9	153	212	278	402	726	957	1090	1250	1450	1800	1950	2140	2250	2500	
HDH	500P	500	51.0	63.4	101	169	236	309	446	806	1060	1210	1380	1610	2000	2170	2380	2500	2770	
HDH	600P	600	61.2	76.1	121	204	283	370	536	968	1270	1460	1660	1930	2400	2600	2850	3000	3330	
HDH	700P	700	71.4	88.88	141	237	330	432	625	1120	1480	1700	1940	2250	2800	3040	3330	3500	3880	