



KPH Series

Model	Rated Voltage V	Rated Capacity I _t Ah	Max. External Dimension mm			Max. Weight kg	Electrolyte Volume L	Screw Thread of Terminal poles	Container Material
			Length	Width	Height				
KPH10	1.2	10	48	81	245	1.8	0.25	M10×1	MBS
KPH20	1.2	20	68	134	245	2.8	0.70	M10×1	MBS or PP
KPH30	1.2	30	70	134	285	4.0	1.0	M16	MBS or PP
KPH40	1.2	40	70	134	285	4.5	0.9	M16	MBS or PP
KPH50	1.2	50	80	141	370	6.2	1.5	M16	MBS or PP
KPH60	1.2	60	80	141	370	6.5	1.5	M16	MBS or PP
KPH70	1.2	70	106	164	345	9	2.2	M20	MBS or PP
KPH80	1.2	80	106	164	345	9.2	1.7	M20	MBS or PP
KPH100	1.2	100	106	164	345	10	2.1	M20	MBS or PP
KPH120	1.2	120	164	167	365	14	4.0	M20	MBS or PP
KPH150	1.2	150	164	167	365	15	3.2	M20	MBS or PP
KPH200	1.2	200	176	291	510	22	10.7	2×M20	MBS
KPH250	1.2	250	176	291	510	36	10.3	2×M20	MBS
KPH300	1.2	300	176	291	510	37	9.3	2×M20	MBS
KPH350	1.2	350	176	291	510	38	7.5	2×M20	MBS
KPH400	1.2	400	186	398	570	58	18.4	3×M20	MBS
KPH500	1.2	500	186	398	570	59	16.5	3×M20	MBS

Remarks:

1. The above specifications may be modified without prior notice.
2. The above dimensions are only a part of our standard products' range, we may design and develop any other battery model, according to specific end-user's requirements.



Discharge Performance Data

KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 1.14V/cell

Models	I _t Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.02	1.23	1.92	3.01	4.40	5.67	8.05	11.9	13.8	15.8	18.4	23.2	37.5	40.1	47.5	49.1
KPH20	20	2.04	2.45	3.84	6.00	8.75	11.2	16.1	23.6	27.5	31.6	36.8	46.4	75.0	80.2	95.0	98.2
KPH30	30	3.06	3.68	5.76	9.00	13.1	16.9	24.1	35.5	42.5	47.2	55.0	69.5	106	121	143	147
KPH40	40	4.08	4.90	7.68	12.0	17.4	22.6	32.6	47.5	56.8	63.5	73.5	93.0	141	160	190	196
KPH50	50	5.10	6.13	9.60	15.0	21.8	28.3	40.7	59.5	71.0	80.0	92.0	117	176	201	238	246
KPH60	60	6.12	7.35	11.5	18.0	26.1	33.9	47.9	70.0	85.0	95.5	110	140	212	243	285	295
KPH70	70	7.14	8.58	13.4	21.0	30.4	39.6	56.2	83.3	99.4	112	128	163	246	281	333	344
KPH80	80	8.16	9.80	15.4	24.0	34.8	45.2	65.2	95.2	114	127	147	186	282	321	380	393
KPH100	100	10.2	12.3	19.2	30.0	43.5	56.5	81.5	119	142	159	184	233	352	401	475	491
KPH120	120	12.2	14.7	23.0	36.0	52.2	67.8	95.8	140	170	191	220	280	424	486	570	589
KPH150	150	15.3	18.4	28.8	45.0	65.5	84.5	122	175	207	238	277	351	530	601	714	737
KPH200	200	20.4	24.5	38.4	60.0	87.0	113	163	238	276	318	370	465	705	802	950	982
KPH250	250	25.5	30.6	48.0	75.0	109	141	203	291	345	397	468	588	880	1003	1188	1228
KPH300	300	30.6	36.8	57.6	90.0	131	169	244	349	414	476	554	702	1060	1204	1428	1473
KPH350	350	35.7	42.9	67.2	105	153	197	284	407	483	556	652	820	1230	1404	1663	1719
KPH400	400	40.8	49.0	76.8	120	174	225	325	475	552	635	736	930	1400	1604	1900	1964
KPH500	500	51.0	61.3	96.0	150	218	281	406	581	690	790	920	1168	1751	2005	2375	2455

KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 1.10V/cell

Models	I _t Ah	Hours							Minutes					Seconds			
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.05	1.23	1.94	3.14	4.62	6.05	8.65	14.4	17.1	19.4	22.8	27.5	41.3	47.0	56.5	59.0
KPH20	20	2.10	2.46	3.88	6.28	9.24	12.1	17.3	28.8	34.3	38.9	45.0	55.0	82.5	94.0	113	118
KPH30	30	3.15	3.69	5.82	9.35	13.9	18.1	26.0	42.5	51.3	58.2	68.4	82.5	124	141	169	177
KPH40	40	4.20	4.93	7.76	12.6	18.4	24.0	34.6	56.5	68.5	77.6	90.0	110	165	188	225	235
KPH50	50	5.25	6.16	9.70	15.7	23.1	30.0	43.3	70.5	85.5	97.0	113	138	207	235	281	294
KPH60	60	6.30	7.39	11.6	18.7	27.8	36.2	52.0	85.0	102	116	135	165	247	282	338	354
KPH70	70	7.35	8.62	13.6	22.0	32.3	42.0	60.6	98.7	120	136	158	193	289	329	393	412
KPH80	80	8.40	9.85	15.5	25.1	36.8	48.0	69.2	113	137	155	180	221	330	376	450	470
KPH100	100	10.5	12.3	19.4	31.4	46.1	60.0	86.5	141	171	194	225	276	413	470	562	588
KPH120	120	12.6	14.8	23.3	37.4	55.5	72.4	104	170	204	232	270	330	494	564	676	708
KPH150	150	15.8	18.5	29.1	47.1	69.0	90.0	130	212	256	291	338	414	619	705	842	882
KPH200	200	21.0	24.6	38.8	62.9	92.2	120	173	282	341	388	450	552	825	940	1123	1175
KPH250	250	26.3	30.8	48.5	79.5	115	150	216	353	426	485	563	690	1031	1175	1403	1469
KPH300	300	31.5	36.9	58.2	94.2	138	180	259	423	511	581	675	827	1238	1410	1684	1763
KPH350	350	36.8	43.1	67.9	111	161	210	302	494	596	678	788	965	1444	1645	1964	2057
KPH400	400	42.0	49.3	77.6	126	184	240	345	564	681	775	900	1103	1650	1880	2245	2350
KPH500	500	52.5	61.6	97.0	159	229	300	432	705	852	969	1125	1370	2063	2350	2806	2938



Discharge Performance Data

KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 1.05V/cell

Models	I _c Ah	Hours							Minutes					Seconds			
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.08	1.25	1.98	3.24	4.70	6.20	9.0	16.1	21.0	23.1	27.0	33.5	48.0	55.0	65.1	69.5
KPH20	20	2.16	2.50	3.96	6.45	9.50	12.5	18.1	32.2	42.0	46.2	54.0	67.0	96.0	110	133	139
KPH30	30	3.24	3.74	5.94	9.73	14.1	18.6	28.0	48.0	63.0	71.5	84.5	106	141	164	200	205
KPH40	40	4.32	4.99	7.92	12.9	19.1	25.0	36.2	64.5	84.0	92.5	108	134	192	220	266	278
KPH50	50	5.40	6.24	9.9	16.1	23.9	31.2	45.2	80.5	102	115	135	167	237	275	332	347
KPH60	60	6.48	7.49	11.9	19.4	28.7	37.5	54.5	96.5	123	139	163	201	285	330	399	417
KPH70	70	7.56	8.73	13.9	22.5	33.5	43.8	63.4	113	144	162	190	235	333	385	466	487
KPH80	80	8.64	10.0	15.8	25.7	38.2	50.0	72.4	129	164	185	217	268	385	440	520	556
KPH100	100	10.8	12.5	19.8	32.1	47.8	62.5	90.5	161	205	231	271	335	475	550	650	695
KPH120	120	13.0	15.0	23.8	38.8	57.3	75.0	109	193	246	278	325	402	570	660	780	834
KPH150	150	16.2	18.7	29.7	48.5	71.5	94.0	136	242	308	345	402	504	715	821	975	1040
KPH200	200	21.6	25.0	39.6	64.2	95.6	125	181	322	411	460	540	670	950	1100	1300	1391
KPH250	250	27.0	31.2	49.5	82.1	120	157	227	403	513	575	670	839	1224	1390	1625	1745
KPH300	300	32.4	37.4	59.4	97.0	143	188	272	483	616	690	804	1008	1429	1642	1950	2080
KPH350	350	37.8	43.7	69.3	115	167	219	318	564	719	805	938	1175	1574	1933	2275	2429
KPH400	400	43.2	49.9	79.2	128	191	250	362	644	822	920	1080	1340	1900	2200	2600	2776
KPH500	500	54.0	62.4	99	163	238	313	453	805	1026	1150	1340	1670	2335	2740	3250	3470



KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 1.00V/cell

Models	I _t Ah	Hours							Minutes					Seconds			
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.10	1.31	2.00	3.28	4.87	6.40	9.30	17.0	22.8	26.9	31.1	38.6	56.0	63.0	77.0	82.0
KPH20	20	2.20	2.63	4.00	6.56	9.74	12.8	18.6	34.0	45.6	53.8	62.2	77.2	112	126	154	164
KPH30	30	3.30	3.94	6.00	9.80	14.6	19.2	27.9	51.0	68.0	79.0	93.5	116	169	189	231	246
KPH40	40	4.40	5.25	8.00	13.1	19.6	25.6	37.6	68.0	91.2	106	125	154	225	252	308	328
KPH50	50	5.50	6.56	10.0	16.4	24.5	32.0	47.0	85.0	114	132	156	193	281	316	385	410
KPH60	60	6.60	7.88	12.0	19.8	29.3	38.6	56.3	103	137	158	187	232	337	378	462	492
KPH70	70	7.70	9.19	14.0	23.1	34.3	45.5	65.8	119	161	185	218	273	420	483	560	620
KPH80	80	8.80	10.5	16.0	26.2	39.2	51.3	75.1	136	182	211	249	309	450	504	616	656
KPH100	100	11.0	13.1	20.0	32.7	49.0	64.1	93.9	170	228	264	311	386	560	630	770	820
KPH120	120	13.2	15.8	24.0	39.3	58.3	76.5	112	204	273	315	372	464	672	750	920	975
KPH150	150	16.5	19.7	30.0	49.5	73.5	97.0	141	255	344	397	467	584	840	1035	1159	1256
KPH200	200	22.0	26.3	40.0	65.4	97.0	129	188	340	458	529	623	778	1120	1250	1520	1638
KPH250	250	27.5	32.8	50.0	82.5	122	161	235	425	573	661	770	972	1400	1560	1900	2093
KPH300	300	33.0	39.4	60.0	99.0	147	194	282	510	687	793	934	1160	1680	1872	2300	2462
KPH350	350	38.5	45.9	70.0	116	171	225	328	595	802	925	1089	1351	1960	2184	2670	2895
KPH400	400	44.0	52.5	80.0	132	194	257	375	680	916	1057	1245	1544	2240	2500	3040	3280
KPH500	500	55.0	65.6	100	165	244	321	469	850	1145	1321	1540	1930	2800	3120	3800	4100



KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 0.85V/cell

Models	I _t Ah	Seconds					
		90	60	30	10	5	1
KPH10	10	70.5	76.5	85.5	98.0	106	115
KPH20	20	141	153	171	196	212	230
KPH30	30	212	230	257	294	318	345
KPH40	40	282	306	342	392	424	460
KPH50	50	353	383	428	490	530	575
KPH60	60	423	459	513	588	636	690
KPH70	70	494	536	599	686	742	805
KPH80	80	564	612	684	784	848	920
KPH100	100	705	765	855	980	1060	1150
KPH120	120	846	918	1020	1176	1272	1380
KPH150	150	1058	1148	1283	1470	1590	1725
KPH200	200	1420	1500	1710	1960	2120	2300
KPH250	250	1763	1913	2138	2450	2650	2875
KPH300	300	2115	2295	2565	2940	3180	3450
KPH350	350	3468	2678	2975	3430	3710	4025
KPH400	400	2840	3060	3420	3920	4240	4600
KPH500	500	3525	3825	4275	4900	5300	5750



KPH series Battery

Discharge performance data after fully charged by constant current according to IEC60623

Available current under 20°C ± 5°C

Final voltage 0.65V/cell

Models	I _c Ah	Seconds					
		90	60	30	10	5	1
KPH10	10	92.5	102	109	131	144	156
KPH20	20	185	204	218	262	288	312
KPH30	30	278	306	327	393	432	468
KPH40	40	370	408	436	524	576	624
KPH50	50	463	510	545	655	720	780
KPH60	60	555	612	654	786	864	936
KPH70	70	648	714	763	917	1008	1092
KPH80	80	740	816	872	1048	1152	1248
KPH100	100	925	1020	1090	1310	1440	1560
KPH120	120	1110	1224	1308	1572	1728	1872
KPH150	150	1388	1530	1635	1965	2160	2340
KPH200	200	1850	2040	2180	2620	2880	3120
KPH250	250	2313	2550	2725	3275	3600	3900
KPH300	300	2775	3060	3270	3930	4320	4680
KPH350	350	3238	3570	3815	4585	5040	5460
KPH400	400	3700	4080	4360	5240	5760	6240
KPH500	500	4625	5100	5450	6550	7200	7800

All the discharge data are just for battery sizing reference.