



BATERÍAS

Níquel Cadmio

Series KPL, KPM, KPH



www.allsai.com



ALLSAI
LATAM

BATERÍAS NÍQUEL CADMIO

Hasta ahora, la batería recargable de níquel cadmio se ha convertido en una primera opción obvia para el usuario que busca un sistema confiable, de larga vida, bajo del mantenimiento. Como fabricante líder de baterías en China, Allsai se ha especializado en la fabricación, mantenimiento y servicio post-servicio de las baterías recargables Ni-Cd. Los dispositivos avanzados y las mejoras continuas de la tecnología garantizan el funcionamiento excelente y la calidad confiable de la batería recargable de Allsai.

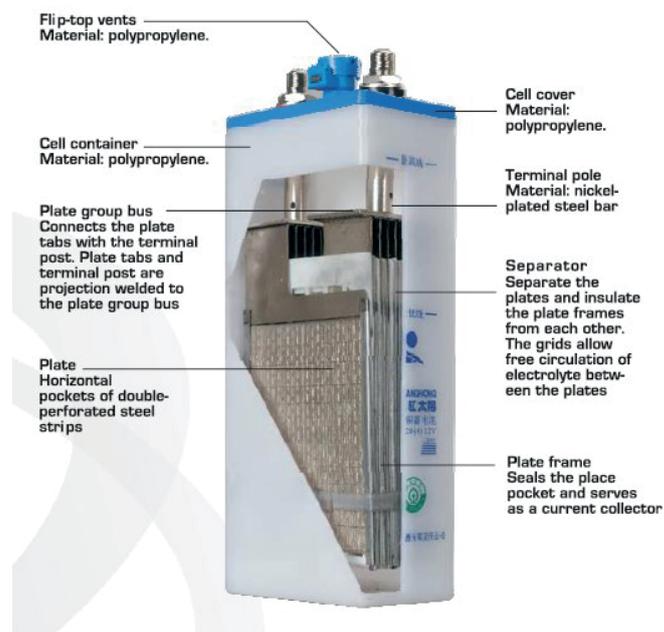
De acuerdo con diferentes requisitos de descarga, las baterías recargables de Ni-Cd se clasifican en tres tipos, el tipo de KPH (baterías de alta velocidad de descarga), KPM (baterías con una velocidad media de descarga) y tipo KPL (baterías con baja velocidad de descarga). Las baterías Allsai de níquel-cadmio suministran una solución de la batería estable y fiable para muchas aplicaciones eléctricas industriales. La eficiencia económica, estabilidad y rendimiento excelente resistencia de las baterías Allsai de níquel-cadmio la han convertido en una solución ideal para aplicaciones industriales.

Principales Características

- Larga vida útil: Más de 20 años bajo el estado de carga de flotación
- Amplia gama de temperaturas de funcionamiento: $-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Alta fiabilidad y sin muerte súbita
- Excelente rendimiento de resistencia de error de operación eléctrico (exceso de carga y sobre-descarga)
- Menor coste de mantenimiento y coste de reposición
- Alta resistencia mecánica

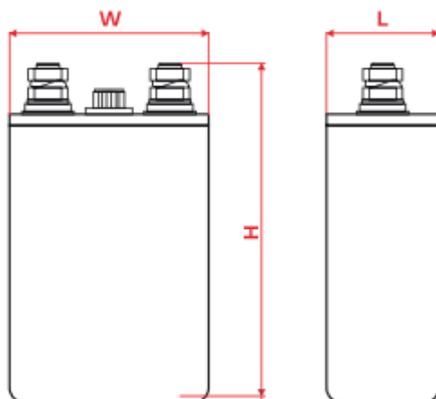
Aplicaciones

- Tráfico y Transporte.
- Equipos de navegación.
- Sistemas de comunicación.
- Yacimientos de Petróleo y Gas.
- Empresas Eléctricas.
- Sistemas de UPS.
- Fuentes de Alimentación para residentes de zonas remotas o islas.



Clasificación de las Baterías de NiCd

Serie	Características
<p>KPL / GN Baja tasa de descarga de la batería de níquel-cadmio</p>	<p>La batería se utiliza en aplicaciones con la velocidad de descarga baja en 0.5ItA y el tiempo de descarga de 3h a 5h, tales como telecomunicaciones, energía de respaldo, potencia de iluminación de ferrocarril y otros dispositivos de reserva de suministros de emergencia. Nominal rango de capacidad: 10 ~ 1200Ah</p>
<p>KPM / GNZ velocidad de descarga media batería de níquel-cadmio</p>	<p>La batería se utiliza para las aplicaciones con la velocidad de descarga medio a 0.5ItA ~ 3.5ItA y el tiempo de descarga durante 30 min a 5 h, tales como ferrocarril fuente de alimentación DC, transición interruptor de UPS. Nominal rango de capacidad: 10 ~ 1100Ah</p>
<p>KPH / GNG Alta tasa de descarga de la batería de níquel-cadmio</p>	<p>La batería se destina a las aplicaciones con la alta tasa de descarga en 3.5ItA ~ 7ItA y el tiempo de descarga de no más de 1 hora, como transición interruptor de UPS, ferrocarril de emergencia de respaldo y fuente de alimentación de puesta en marcha. Nominal rango de capacidad: 10 ~ 500 Ah</p>



LP Models and Parameters (Middle size)

Modelo	Voltaje Nominal	Capacidad Nominal C ₅ Ah	Dimensiones mm			Peso Mojado do	Peso Seco	Terminal
			L	W	H			
KPL10	1.2	10	29	81	223	0.6	0.8	M6
KPL20	1.2	20	32	113	223	1.0	1.2	M6
KPL30	1.2	30	68	134	245	1.7	2.8	M10 1
KPL40	1.2	40	68	134	245	2.1	3.0	M10 1
KPL50	1.2	50	68	134	245	2.5	3.0	M10 1
KPL60	1.2	60	70	134	285	3.2	4.2	M16
KPL70	1.2	70	70	134	285	3.3	4.3	M16
KPL80	1.2	80	80	141	370	4.0	5.8	M10 1
KPL100	1.2	100	80	141	370	4.5	6.3	M10 1
KPL120	1.2	120	80	141	370	5.0	6.4	M10 1
KPL150	1.2	150	92	141	365	6.8	8.5	M16
KPL200	1.2	200	107	165	348	8.0	10.0	M20
KPL250	1.2	250	164	167	348	11.0	14.5	M20
KPL300	1.2	300	164	167	348	13.0	15.0	M20
KPL350	1.2	350	152	170	385	14.0	17.2	M20
KPL400	1.2	400	152	170	385	14.5	17.5	M20
KPL500	1.2	500	162	200	450	19.0	24.0	2 M16
KPL600	1.2	600	176	291	510	27.0	38.0	2 M20
KPL700	1.2	700	176	291	510	29.0	39.0	2 M20
KPL800	1.2	800	186	398	570	39.0	59.0	3 M20
KPL900	1.2	900	186	398	570	41.0	60.0	3 M20
KPL1000	1.2	1000	186	398	570	44.0	61.0	3 M20
KPL1100	1.2	1100	186	398	570	45.0	62.0	3 M20
KPL1200	1.2	1200	186	398	570	46.0	63.0	3 M20

LP II Models and Parameters (2V Series)

Modelo	Voltaje Nominal	Capacidad Nominal C ₅ Ah	Dimensiones mm			Peso Mojado	Peso Seco	Terminal
			L	W	H			
KPM10	1.2	10	48	81	245	1.2	1.5	M10 1
KPM20	1.2	20	68	134	245	1.6	2.5	M10 1
KPM30	1.2	30	68	134	245	2.0	3.0	M10 1
KPM40	1.2	40	70	134	245	2.8	4.0	M16
KPM50	1.2	50	70	134	285	3.2	4.2	M16
KPM60	1.2	60	80	141	370	4.2	6.0	M16 1.5
KPM70	1.2	70	80	141	370	4.5	6.0	M16
KPM80	1.2	80	80	141	370	4.8	6.6	M16
KPM100	1.2	100	107	165	348	6.5	9.0	M20
KPM120	1.2	120	107	165	348	7.0	9.5	M20
KPM150	1.2	150	164	167	348	9.0	13.0	M20
KPM200	1.2	200	164	167	348	11.0	14.5	M20
KPM250	1.2	250	152	170	385	13.0	16.0	M20
KPM300	1.2	300	152	170	385	15.0	18.0	M20
KPM350	1.2	350	162	200	450	18.5	24.0	2 M16
KPM400	1.2	400	162	200	450	21.5	27.0	2 M16
KPM500	1.2	500	176	291	510	28.0	40.0	2 M20
KPM600	1.2	600	176	291	510	31.0	42.0	2 M20
KPM700	1.2	700	186	398	570	42.0	58.0	2 M20
KPM800	1.2	800	186	398	570	44.0	60.0	3 M20
KPM900	1.2	900	186	398	570	46.0	64.0	3 M20
KPM1000	1.2	1000	186	398	570	50.0	65.0	3 M20
KPM1100	1.2	1100	186	398	570	51.0	66.0	3 M20

Modelos de Baterías Serie KPH

Modelo	Voltaje Nominal	Capacidad Nominal C ₅ Ah	Dimensiones mm			Peso Mojado	Peso Seco	Terminal
			L	W	H			
KPH10	1.2	10	48	81	245	1.5	1.8	M10 1
KPH20	1.2	20	68	134	245	1.8	2.8	M10 1
KPH30	1.2	30	70	134	285	3.0	4.0	M16
KPH35	1.2	35	70	134	285	3.1	4.2	M16
KPH40	1.2	40	70	134	285	3.2	4.5	M16
KPH50	1.2	50	80	141	370	4.0	6.3	M16
KPH60	1.2	60	80	141	370	5.0	6.5	M16
KPH70	1.2	70	107	165	348	6.5	9.0	M20
KPH80	1.2	80	107	165	348	7.5	9.5	M20
KPH100	1.2	100	164	167	348	9.0	13.0	M20
KPH120	1.2	120	164	167	348	10.0	14.0	M20
KPH150	1.2	150	164	167	348	13.5	15.0	M20
KPH180	1.2	180	162	200	450	14.8	22.0	2 M16
KPH200	1.2	200	162	200	450	15.0	24.0	2 M16
KPH250	1.2	250	162	200	450	18.0	24.0	2 M16
KPH300	1.2	300	176	291	510	27.5	37.0	2 M20
KPH350	1.2	350	176	291	510	29.0	38.0	2 M20
KPH400	1.2	400	186	398	570	37.0	58.0	3 M20
KPH500	1.2	500	186	398	570	40.0	59.0	3 M20

Observaciones:

- Las especificaciones anteriores pueden ser modificadas sin previo aviso.
- Las dimensiones anteriores son sólo una parte o nuestra gama de productos estándar, podemos diseñar y desarrollar cualquier otro modelo de batería, de acuerdo con los requisitos específicos del usuario final.

Curvas de Operación Baterías

Figura 1: Curva de Carga Batería Serie KPL (20°C)

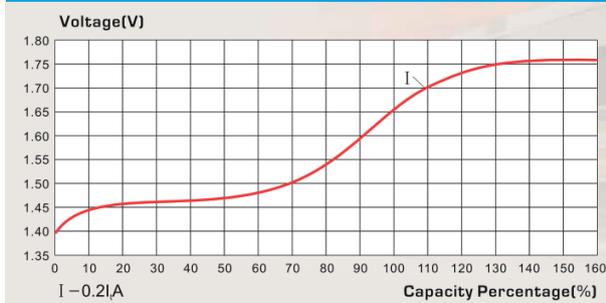


Figura 2: Curva de Descarga Batería Serie KPL (20°C)

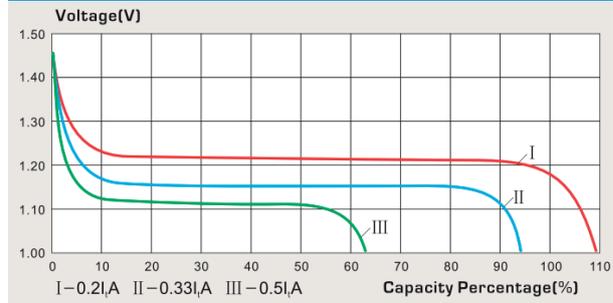


Figura 3: Curva de Descarga Batería Serie KPH (20°C)

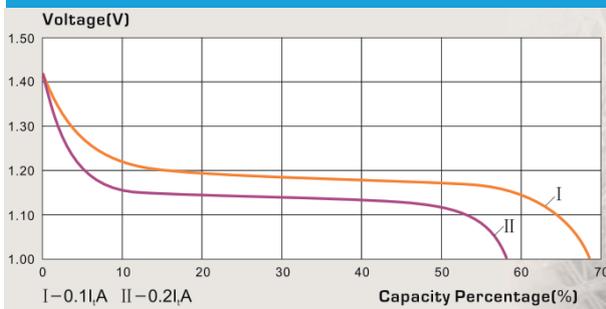


Figura 4: Curva de Efecto de Temperatura Serie KPL

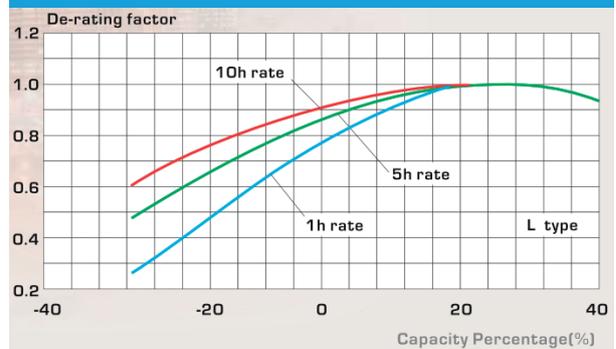


Figura 5: Curva de Carga Batería Serie KPM (20°C)

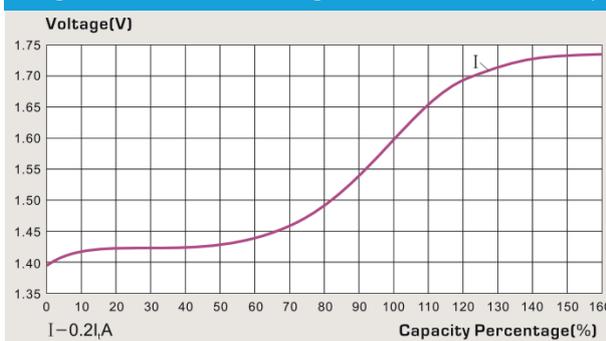
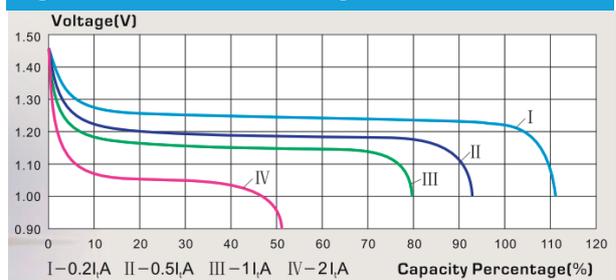


Figura 6: Curva de Descarga Batería Serie KPM (20°C)



En el presente se enumeran todas las curvas de funcionamiento de la batería Allsai serie KPL, KPM y KPH, ya que existen diferencias entre las series 3 que también se aplican a las curvas de operación. Por consiguiente, las curvas de funcionamiento enumeradas son para referencia solamente, y no se consideran como los estándares de aceptación de la batería.

Curvas de Operación Baterías

Figura 7: Curva de Descarga Batería Serie KPM (-18°C)

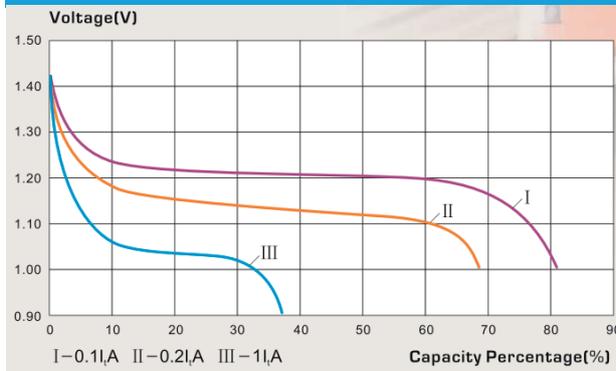


Figura 8: Curva de Efecto de Temperatura Serie KPM

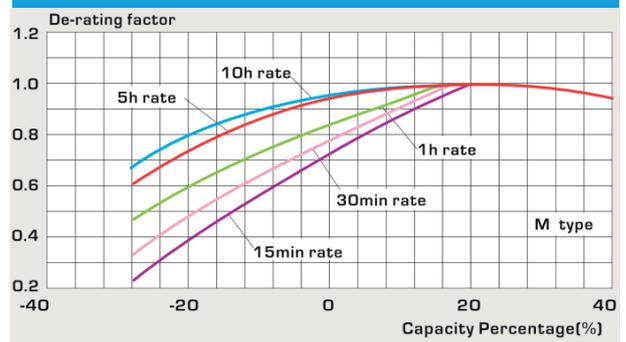


Figura 9: Curva de Carga Batería Serie KPH (20°C)

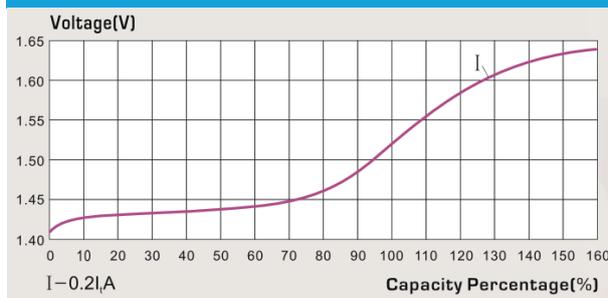


Figura 10: Curva de Descarga Batería Serie KPH (20°C)

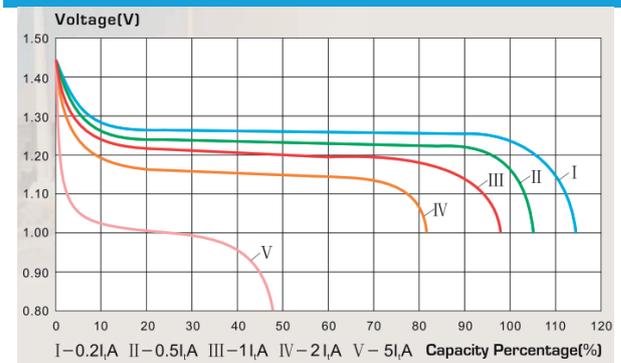


Figura 11: Curva de Descarga Batería Serie KPH (-18°C)

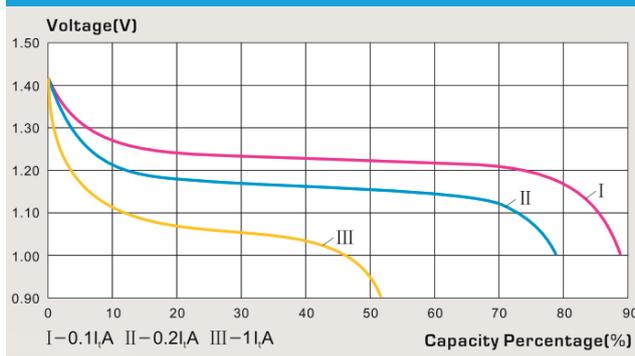
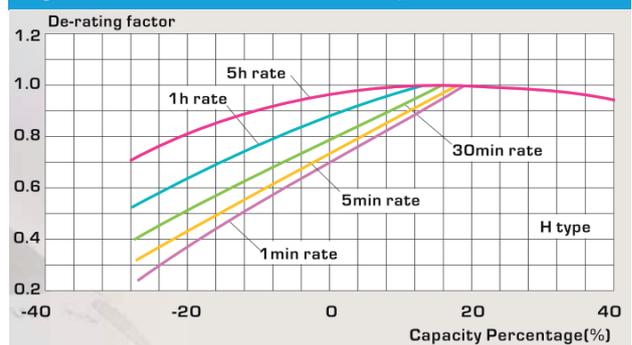
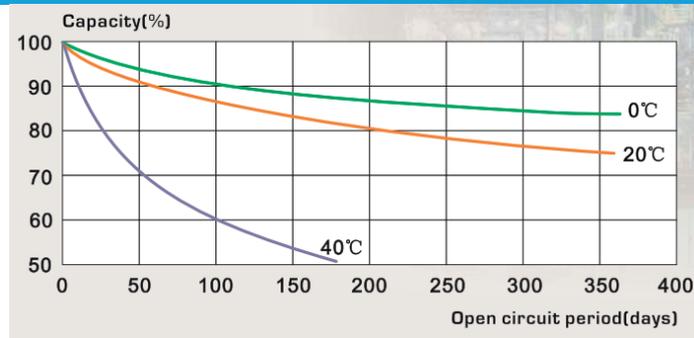


Figura 12: Curva de Efecto de Temperatura Serie KPH



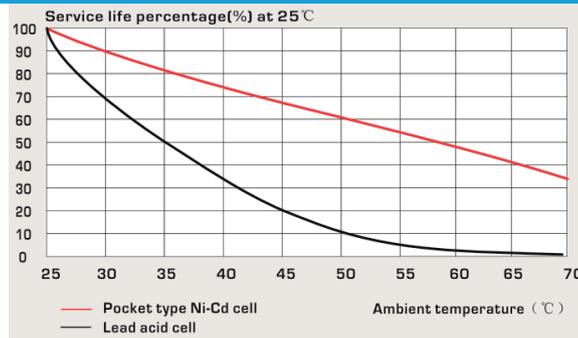
Curvas de Operación Baterías

Figura 13: Valores de pérdidas de circuito abierto bajo diferentes temperaturas



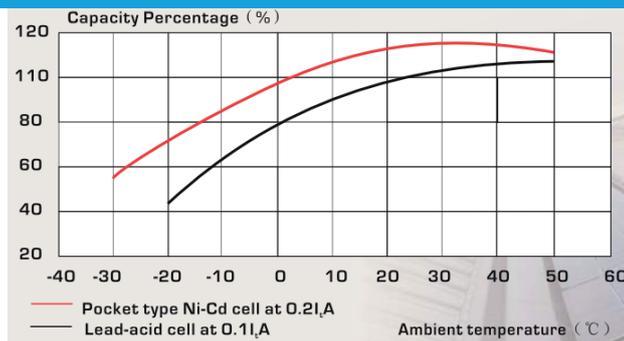
cd y

Figura 14: Curvas de comparación de ciclo de vida entre Batería Ni la Batería VRLA bajo diferentes temperaturas



-cd y

Figura 15: Curvas de comparación de capacidad entre Batería Ni la Batería VRLA bajo diferentes temperaturas



Datos de Rendimiento de Descarga

KPL 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	C ₅ Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPL10	10	0.98	1.20	1.80	2.70	3.50	4.07	5.00	6.40	7.20	7.93	8.40	9.60	13.8	15.9	20.9	23.9
KPL20	20	1.96	2.40	3.60	5.40	7.00	8.13	10.0	12.8	14.4	15.9	16.8	19.2	27.6	31.9	41.8	47.9
KPL30	30	2.94	3.60	5.40	8.10	10.5	12.2	15.0	19.2	21.6	23.9	25.2	28.8	41.3	47.9	62.7	71.8
KPL40	40	3.92	4.80	7.20	10.8	14.0	16.3	20.0	25.6	28.8	31.8	33.6	38.4	55.1	63.8	83.6	95.8
KPL50	50	4.86	5.95	8.97	13.4	17.3	20.1	24.1	30.7	34.7	37.3	40.7	45.4	64.2	73.1	94.9	108
KPL60	60	5.79	7.09	10.7	15.9	20.6	23.8	28.3	35.8	40.6	42.8	47.8	52.5	73.3	82.3	106	120
KPL70	70	6.73	8.24	12.5	18.5	23.9	27.6	32.4	40.9	46.5	48.3	54.9	59.5	82.4	91.6	117	133
KPL80	80	7.73	9.46	14.3	21.0	26.9	31.0	36.3	45.9	51.4	53.5	61.0	67.2	90.9	100	127	143
KPL100	100	9.74	11.9	17.9	26.1	33.1	38.1	44.7	56.7	62.2	65.5	74.2	84.0	111	122	154	171
KPL120	120	11.6	14.2	21.5	31.5	40.1	46.3	54.3	68.7	76.4	79.7	90.9	101	135	149	189	210
KPL150	150	14.7	18.0	27.0	39.0	48.7	56.0	66.0	84.1	90.0	95.9	108	126	163	178	221	241
KPL200	200	19.6	24.0	36.0	52.0	65.0	74.7	87.9	112	120	128	144	168	216	238	294	322
KPL250	250	24.5	30.0	45.0	65.0	81.3	93.5	110	140	150	160	180	210	271	297	368	401
KPL300	300	29.5	36.0	54.0	78.0	97.7	112	132	168	180	192	216	252	325	357	442	483
KPL350	350	34.4	42.0	63.0	91.0	114	131	154	196	210	224	252	294	379	416	516	566
KPL400	400	39.2	48.0	72.0	104	130	149	176	224	240	256	288	336	433	475	589	646
KPL500	500	49.0	60.0	90.0	130	163	186	220	280	300	320	360	420	541	594	736	809
KPL600	600	58.8	72.0	108	156	195	224	264	336	360	384	432	504	650	713	884	970
KPL700	700	68.6	84.0	126	182	228	261	308	392	420	448	504	588	758	831	1031	1135
KPL800	800	78.4	96.0	144	208	260	299	352	448	480	512	576	672	866	950	1178	1299
KPL900	900	88.2	108	162	234	293	336	396	504	540	576	648	756	975	1069	1325	1460
KPL1000	1000	98.0	120	180	260	325	373	440	560	600	640	720	840	1083	1187	1473	1625
KPL1100	1100	108	132	198	286	358	411	484	616	660	704	792	924	1191	1306	1620	1789
KPL1200	1200	118	144	216	312	390	448	528	672	720	768	864	1008	1300	1425	1767	1952

Datos de Rendimiento de Descarga

KPL 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	C _h Ah	Hours							Minutes							Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1	
KPL10	10	1.00	1.24	1.92	2.93	3.95	4.73	5.80	7.60	8.53	9.20	10.5	12.6	16.1	18.5	24.2	27.5	
KPL20	20	2.00	2.48	3.84	5.87	7.92	9.47	11.6	15.2	17.1	18.4	21.0	25.2	32.3	37.1	48.4	55.1	
KPL30	30	3.00	3.71	5.76	8.80	11.9	14.2	17.4	22.8	25.7	27.6	31.5	37.8	48.5	55.6	72.7	82.7	
KPL40	40	3.98	4.93	7.66	11.7	15.8	18.7	22.9	29.4	33.0	34.8	39.5	47.4	60.4	68.6	88.3	100	
KPL50	50	4.97	6.15	9.56	14.7	19.6	23.2	28.3	36.0	40.3	42.0	47.5	57.0	72.3	81.6	104	117	
KPL60	60	5.95	7.36	11.5	17.6	23.5	27.7	33.8	42.6	47.6	49.2	55.5	66.6	84.2	94.5	120	134	
KPL70	70	6.94	8.58	13.4	20.5	27.4	32.2	39.3	49.2	54.9	56.4	63.5	76.2	96.1	108	135	151	
KPL80	80	7.93	9.81	15.2	23.5	31.2	36.8	44.8	56.0	62.4	64.0	72.0	86.4	109	122	152	171	
KPL100	100	9.91	12.3	19.0	29.4	39.0	46.0	56.0	70.0	78.0	80.0	90.0	108	136	152	190	214	
KPL120	120	11.9	14.8	22.9	34.9	46.3	54.3	66.3	82.1	90.9	96.0	108	124	159	176	218	243	
KPL150	150	15.0	18.5	28.8	43.0	57.0	66.0	81.0	99.0	108	120	135	144	191	208	254	278	
KPL200	200	20.0	24.8	38.4	57.3	76.0	87.9	108	132	144	160	180	192	255	277	338	370	
KPL250	250	25.0	31.0	48.0	71.6	95.1	110	135	165	180	200	225	240	318	347	423	463	
KPL300	300	30.0	37.1	57.6	86.0	114	132	162	198	216	240	270	288	382	416	508	556	
KPL350	350	35.0	43.3	67.2	100	133	154	189	231	252	280	316	336	446	486	592	648	
KPL400	400	40.0	49.5	76.8	115	152	176	216	264	288	320	361	384	509	555	677	741	
KPL500	500	50.0	61.9	96.3	144	190	220	270	330	360	400	450	480	636	694	846	926	
KPL600	600	60.0	74.3	115	172	228	264	324	396	432	480	540	576	764	832	1015	1112	
KPL700	700	70.0	86.6	134	201	266	308	378	462	504	560	630	672	891	971	1184	1297	
KPL800	800	80.0	99.0	153	230	304	352	432	528	576	640	720	768	1018	1110	1353	1482	
KPL900	900	90.0	112	172	258	342	396	486	594	648	720	810	864	1146	1248	1522	1668	
KPL1000	1000	100	123	192	286	381	440	541	661	720	800	901	960	1274	1387	1691	1853	
KPL1100	1100	110	136	211	315	418	484	594	726	792	880	990	1056	1400	1526	1860	2038	
KPL1200	1200	120	149	230	344	456	528	648	792	864	960	1080	1152	1528	1664	2029	2223	

Datos de Rendimiento de Descarga

KPL 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	C ₅ Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPL10	10	1.02	1.26	1.96	3.10	4.33	5.27	6.87	9.20	10.8	11.8	13.2	14.4	19.5	21.9	28.5	32.1
KPL20	20	2.03	2.52	3.92	6.22	8.64	10.5	13.5	17.9	20.9	22.8	25.3	28.1	37.1	41.5	53.8	60.2
KPL30	30	3.03	3.77	5.89	9.36	12.9	15.7	19.8	26.2	30.4	32.9	36.4	41.1	53.0	59.0	75.7	84.3
KPL40	40	4.02	5.02	7.85	12.5	17.2	20.9	26.1	34.5	39.8	43.0	47.5	54.1	68.9	76.5	97.6	108
KPL50	50	5.02	6.28	9.8	15.6	21.5	26.1	32.4	42.8	49.3	53.2	58.6	67.1	84.8	94.0	120	132
KPL60	60	6.02	7.53	11.8	18.8	25.8	31.3	38.8	51.0	58.7	63.3	69.6	80.1	101	112	141	157
KPL70	70	7.01	8.79	13.7	21.9	30.1	36.4	45.1	59.3	68.2	73.5	80.7	93.0	117	129	163	181
KPL80	80	8.01	10.0	15.7	25.1	34.4	41.6	51.4	67.6	77.6	83.6	91.8	106	132	147	185	205
KPL100	100	10.0	12.5	19.6	31.4	43.0	52.0	64.1	84.1	96.5	104	114	132	164	182	229	253
KPL120	120	12.0	15.1	23.6	37.6	51.5	62.2	76.6	101	115	123	135	158	194	215	269	296
KPL150	150	15.2	18.9	29.6	46.8	64.2	77.0	95.3	125	141	150	167	198	238	262	323	354
KPL200	200	20.4	25.3	39.6	62.2	85.3	102	126	165	186	196	219	264	310	340	414	451
KPL250	250	25.6	31.7	49.6	77.6	106	127	157	206	230	241	271	330	382	418	504	548
KPL300	300	30.7	38.1	59.5	93.1	128	152	189	246	275	288	324	396	456	499	599	650
KPL350	350	35.8	44.5	69.4	109	149	177	220	287	321	336	378	462	532	582	698	758
KPL400	400	40.9	50.9	79.3	124	170	203	252	328	366	384	432	528	608	665	798	867
KPL500	500	51.0	63.5	99.0	156	213	254	315	410	458	480	540	660	760	831	997	1083
KPL600	600	61.2	76.1	119	186	255	304	378	492	549	576	648	792	912	997	1197	1299
KPL700	700	71.4	88.7	138	217	298	355	441	574	640	672	756	924	1064	1164	1396	1516
KPL800	800	81.6	101	158	248	341	406	504	657	732	768	863	1057	1217	1330	1596	1733
KPL900	900	91.7	114	178	279	383	456	567	738	823	864	972	1188	1368	1496	1796	1949
KPL1000	1000	102	127	198	310	425	507	630	820	915	960	1080	1320	1520	1663	1995	2166
KPL1100	1100	112	139	218	341	468	558	693	902	1006	1056	1188	1452	1672	1829	2194	2382
KPL1200	1200	122	152	238	372	510	608	756	984	1098	1152	1296	1584	1824	1995	2394	2599

Datos de Rendimiento de Descarga

KPL 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	C _h Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPL10	10	1.03	1.27	2.00	3.20	4.55	5.73	7.60	10.8	12.5	13.6	15.0	18.0	22.3	25.1	32.3	36.4
KPL20	20	2.05	2.55	4.00	6.40	9.08	11.4	14.9	21.0	24.2	26.3	29.0	34.0	42.0	46.7	59.3	66.1
KPL30	30	3.07	3.83	6.00	9.6	13.6	16.9	22.0	30.6	35.1	38.1	42.0	48.0	58.9	65.0	81.0	89.2
KPL40	40	4.09	5.11	8.00	12.8	18.1	22.4	29.0	40.2	46.0	49.9	55.0	62.0	75.8	83.3	103	112
KPL50	50	5.11	6.39	10.0	16.0	22.6	27.9	36.0	49.7	56.9	61.7	68.0	76.0	92.7	102	124	135
KPL60	60	6.13	7.67	12.0	19.2	27.1	33.4	43.1	59.3	67.8	73.5	81.0	90.0	110	120	146	158
KPL70	70	7.15	8.95	14.0	22.4	31.6	39.0	50.1	68.9	78.7	85.3	94.0	104	127	138	168	182
KPL80	80	8.17	10.2	16.0	25.6	36.1	44.5	57.2	78.5	89.6	97.1	107	118	143	156	189	205
KPL100	100	10.2	12.8	20.0	32.0	45.1	55.5	71.2	97.6	111	121	133	146	177	193	232	251
KPL120	120	12.3	15.4	24.0	38.4	54.1	66.6	85.3	117	133	144	159	174	211	230	276	297
KPL150	150	15.4	19.2	30.0	48.0	67.5	83.0	107	146	166	180	198	216	262	285	342	368
KPL200	200	20.6	25.5	40.0	64.0	89.9	111	142	194	222	240	264	288	350	380	456	490
KPL250	250	25.8	31.9	50.0	80.0	112	138	178	242	277	300	330	360	437	475	570	613
KPL300	300	30.9	38.2	60.0	96.0	135	166	213	291	333	360	396	432	524	570	684	736
KPL350	350	36.1	44.6	70.0	112	157	194	249	339	389	420	462	504	612	665	798	858
KPL400	400	41.2	51.0	80.0	128	180	221	284	388	444	480	528	576	699	760	912	981
KPL500	500	51.5	63.7	100	160	225	276	355	485	555	600	660	720	874	950	1140	1226
KPL600	600	61.8	76.5	120	192	270	332	426	582	666	720	792	864	1048	1140	1368	1471
KPL700	700	72.1	89.3	140	224	315	387	497	679	777	840	924	1008	1223	1330	1596	1716
KPL800	800	82.4	102	160	256	360	443	568	776	888	960	1056	1152	1398	1520	1824	1961
KPL900	900	92.7	115	180	288	405	498	639	873	999	1080	1188	1296	1573	1710	2052	2206
KPL1000	1000	103	128	200	320	450	554	710	970	1110	1200	1320	1440	1748	1901	2280	2451
KPL1100	1100	114	140	220	352	495	609	781	1067	1221	1320	1452	1584	1923	2090	2508	2696
KPL1200	1200	124	153	240	384	540	664	852	1164	1332	1440	1584	1728	2098	2280	2736	2941

Datos de Rendimiento de Descarga

KPM 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	C _s Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPM10	10	0.97	1.20	1.88	2.98	4.11	4.92	6.00	8.00	9.40	10.5	12.0	14.7	21.9	24.8	29.6	32.8
KPM20	20	1.93	2.40	3.76	5.97	8.26	10.0	12.2	16.2	19.0	21.2	24.2	29.4	43.1	48.6	57.5	62.7
KPM30	30	2.90	3.60	5.64	8.97	12.5	15.1	18.5	24.6	28.8	32.0	36.5	44.1	63.6	71.4	83.7	89.6
KPM40	40	3.87	4.80	7.52	12.0	16.7	20.2	24.8	33.1	38.7	42.8	48.8	58.8	84.1	94.2	110	117
KPM50	50	4.83	6.00	9.40	15.0	20.9	25.4	31.1	41.5	48.5	53.6	61.1	73.5	105	117	136	143
KPM60	60	5.80	7.20	11.3	18.0	25.1	30.5	37.4	49.9	58.3	64.5	73.4	88.2	125	140	162	170
KPM70	70	6.77	8.40	13.2	21.0	29.3	35.7	43.7	58.3	68.1	75.3	85.7	103	146	163	189	197
KPM80	80	7.73	9.60	15.0	24.0	33.5	40.8	50.1	66.7	77.9	86.1	98.1	118	166	185	215	224
KPM100	100	9.67	12.0	18.8	30.0	41.9	51.1	62.7	83.6	97.6	108	123	147	207	231	267	278
KPM120	120	11.6	14.4	22.6	36.0	50.3	61.4	75.3	100	117	129	147	176	248	277	320	332
KPM150	150	14.5	18.0	28.2	45.0	62.9	76.8	94.3	126	147	162	184	221	310	345	399	413
KPM200	200	19.3	24.0	37.6	60.0	84.0	103	126	168	196	216	246	294	413	459	530	548
KPM250	250	24.2	30.0	47.0	75.0	105	128	157	210	245	270	307	368	515	573	661	682
KPM300	300	29.0	36.0	56.4	90.0	126	154	189	252	294	324	369	441	618	687	792	817
KPM350	350	33.8	42.0	65.8	105	147	180	220	294	343	378	430	515	721	801	924	953
KPM400	400	38.7	48.0	75.2	120	168	206	252	336	392	432	492	588	824	916	1056	1089
KPM500	500	48.3	60.0	94.0	150	210	257	315	420	490	540	615	736	1030	1145	1321	1361
KPM600	600	58.0	72.0	113	179	252	309	378	504	588	647	738	883	1236	1373	1585	1634
KPM700	700	67.6	84.0	132	209	294	361	441	588	686	755	861	1030	1441	1602	1850	1906
KPM800	800	77.3	96.0	150	239	336	413	504	672	784	863	984	1178	1647	1831	2114	2178
KPM900	900	87.0	108	169	269	378	464	567	755	882	971	1107	1325	1853	2060	2378	2450
KPM1000	1000	96.6	120	188	298	420	516	629	839	980	1079	1229	1472	2059	2288	2643	2722

Datos de Rendimiento de Descarga

KPM 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	C ₅ Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPM10	10	0.99	1.23	1.95	3.12	4.41	5.48	6.93	9.33	10.9	12.1	14.0	17.2	25.3	28.9	35.4	37.5
KPM20	20	1.99	2.46	3.91	6.24	8.86	11.0	14.1	18.9	22.1	24.4	28.2	34.4	49.9	56.8	68.8	72.9
KPM30	30	2.98	3.69	5.86	9.37	13.3	16.7	21.4	28.7	33.6	37.0	42.6	51.6	73.8	83.5	100	106
KPM40	40	3.97	4.92	7.81	12.5	17.8	22.3	28.7	38.5	45.1	49.6	57.0	68.8	97.8	110	132	140
KPM50	50	4.96	6.15	9.76	15.6	22.3	28.0	36.0	48.4	56.6	62.2	71.4	86.0	122	137	163	173
KPM60	60	5.95	7.38	11.7	18.8	26.8	33.6	43.3	58.2	68.2	74.8	85.8	103	146	164	195	207
KPM70	70	6.94	8.61	13.7	21.9	31.2	39.3	50.7	68.0	79.7	87.5	100	120	170	190	226	240
KPM80	80	7.93	9.84	15.6	25.0	35.7	44.9	58.0	77.8	91.2	100	115	138	194	217	258	273
KPM100	100	9.91	12.3	19.5	31.3	44.7	56.2	72.6	97.4	114	125	143	172	242	270	321	340
KPM120	120	11.9	14.8	23.4	37.5	53.6	67.5	87.2	117	137	151	172	206	289	324	384	407
KPM150	150	14.9	18.4	29.3	46.9	67.1	84.5	109	147	172	188	216	258	361	404	478	507
KPM200	200	19.8	24.6	39.0	62.6	89.4	113	146	196	230	251	288	344	481	537	635	674
KPM250	250	24.8	30.7	48.8	78.2	112	141	182	245	287	314	360	430	601	671	793	841
KPM300	300	29.7	36.9	58.5	93.9	134	169	219	294	345	377	432	516	721	805	950	1008
KPM350	350	34.7	43.0	68.3	110	157	197	256	343	402	441	504	602	841	938	1107	1175
KPM400	400	39.6	49.2	78.0	125	179	226	292	392	460	504	576	688	960	1072	1265	1342
KPM500	500	49.5	61.5	97.5	156	224	282	365	490	575	630	720	860	1200	1339	1579	1676
KPM600	600	59.4	73.9	117	188	268	338	438	588	690	756	864	1032	1440	1606	1895	2012
KPM700	700	69.3	86.2	136	219	313	395	511	686	805	882	1008	1204	1680	1874	2211	2347
KPM800	800	79.2	98.6	156	250	357	451	584	784	920	1008	1152	1376	1919	2142	2526	2683
KPM900	900	89.2	111	175	282	402	507	657	882	1035	1134	1296	1548	2159	2410	2842	3018
KPM1000	1000	99.1	123	195	313	447	564	729	980	1150	1260	1440	1720	2399	2678	3157	3353

Datos de Rendimiento de Descarga

KPM 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	C ₅ Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPM10	10	1.01	1.25	1.98	3.22	4.64	5.88	7.80	10.7	12.6	14.0	16.1	19.9	29.6	33.9	41.7	45.1
KPM20	20	2.01	2.50	3.96	6.44	9.30	11.8	15.8	21.9	25.6	28.4	32.6	40.0	58.4	66.5	81.0	87.5
KPM30	30	3.02	3.75	5.94	9.67	14.0	17.8	24.0	33.4	39.0	43.2	49.4	60.2	86.4	98.0	118	127
KPM40	40	4.03	5.00	7.92	12.9	18.6	23.8	32.2	44.9	52.5	58.0	66.3	80.4	114	129	155	167
KPM50	50	5.04	6.25	9.90	16.1	23.3	29.8	40.4	56.5	65.9	72.9	83.1	101	142	161	192	207
KPM60	60	6.05	7.50	11.9	19.4	28.0	35.8	48.6	68.0	79.3	87.7	100	121	170	192	229	247
KPM70	70	7.05	8.75	13.9	22.6	32.7	41.8	56.9	79.5	92.8	102	117	141	198	224	266	287
KPM80	80	8.06	10.0	15.8	25.8	37.3	47.8	65.1	91.0	106	117	134	161	226	255	303	327
KPM100	100	10.1	12.5	19.8	32.3	46.7	59.9	81.5	114	133	147	167	202	282	318	377	407
KPM120	120	12.1	15.0	23.8	38.7	56.0	71.9	97.9	137	160	177	201	242	338	381	451	486
KPM150	150	15.1	18.7	29.7	48.4	70.1	89.9	123	172	200	221	251	303	422	475	562	606
KPM200	200	20.2	25.0	39.6	64.5	93.4	120	164	229	267	295	336	404	562	633	747	805
KPM250	250	25.2	31.2	49.5	80.7	117	150	205	287	335	369	420	505	702	790	932	1005
KPM300	300	30.2	37.5	59.4	96.8	140	180	246	345	402	443	504	606	842	947	1117	1204
KPM350	350	35.3	43.7	69.3	113	164	210	287	402	469	517	588	707	981	1104	1302	1404
KPM400	400	40.3	50.0	79.2	129	187	240	328	460	536	591	672	808	1121	1262	1487	1603
KPM500	500	50.4	62.5	99.0	161	234	300	410	575	670	740	841	1010	1401	1576	1857	2002
KPM600	600	60.5	75.1	119	194	281	360	492	690	804	888	1009	1212	1681	1891	2229	2402
KPM700	700	70.5	87.6	139	226	328	420	574	805	938	1036	1177	1414	1961	2207	2600	2803
KPM800	800	80.6	100	158	259	375	480	656	920	1072	1184	1345	1616	2241	2522	2971	3203
KPM900	900	90.7	113	178	291	421	540	738	1035	1206	1332	1513	1818	2521	2837	3343	3604
KPM1000	1000	101	125	198	323	468	600	820	1150	1340	1480	1681	2020	2801	3152	3714	4004

Datos de Rendimiento de Descarga

KPM 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	C ₅ Ah	Hours							Minutes						Seconds		
		10	8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPM10	10	1.01	1.26	2.00	3.27	4.76	6.13	8.40	12.0	14.1	15.7	18.1	22.5	33.3	38.2	48.1	52.9
KPM20	20	2.03	2.52	4.00	6.54	9.53	12.3	16.9	24.5	28.7	32.0	36.7	45.3	66.1	75.3	93.5	102
KPM30	30	3.04	3.78	6.00	9.81	14.3	18.5	25.5	37.4	43.8	48.7	55.8	68.4	98.3	111	136	147
KPM40	40	4.06	5.04	8.00	13.1	19.1	24.7	34.1	50.3	58.9	65.5	75.0	91.5	130	147	179	192
KPM50	50	5.08	6.30	10.0	16.3	23.8	30.9	42.7	63.3	74.0	82.2	94.1	115	163	183	222	238
KPM60	60	6.09	7.56	12.0	19.6	28.6	37.1	51.3	76.2	89.1	98.9	113	138	195	219	265	283
KPM70	70	7.11	8.82	14.0	22.9	33.4	43.3	59.9	89.2	104	116	132	161	227	255	307	328
KPM80	80	8.12	10.1	16.0	26.1	38.2	49.5	68.5	102	119	132	152	184	259	291	350	373
KPM100	100	10.2	12.6	20.0	32.7	47.7	61.9	85.7	128	150	166	190	230	324	363	436	464
KPM120	120	12.2	15.1	24.0	39.2	57.3	74.3	103	154	180	199	228	277	388	435	521	554
KPM150	150	15.2	18.9	30.0	49.0	71.6	92.9	129	193	225	250	286	346	484	543	650	690
KPM200	200	20.3	25.2	40.0	65.4	95.4	124	172	257	301	333	381	462	645	722	864	916
KPM250	250	25.4	31.5	50.0	81.7	119	155	215	322	376	417	477	577	806	902	1078	1142
KPM300	300	30.5	37.8	60.0	98.0	143	186	258	387	452	501	573	693	967	1082	1292	1368
KPM350	350	35.6	44.1	70.0	114	167	217	301	451	528	584	668	809	1128	1262	1506	1594
KPM400	400	40.6	50.4	80.0	131	191	248	344	516	603	668	764	924	1289	1441	1720	1820
KPM500	500	50.8	63.0	100	163	239	310	430	646	754	836	955	1155	1611	1801	2148	2272
KPM600	600	60.9	75.7	120	196	286	372	516	774	905	1003	1147	1387	1933	2161	2577	2727
KPM700	700	71.1	88.4	140	229	334	434	602	903	1056	1170	1338	1618	2255	2521	3007	3181
KPM800	800	81.2	101	160	262	382	496	688	1032	1207	1337	1529	1849	2577	2882	3436	3636
KPM900	900	91.3	114	180	295	430	558	774	1161	1358	1503	1720	2080	2900	3242	3866	4091
KPM995	995	101	126	199	326	475	617	856	1284	1501	1662	1901	2299	3206	3584	4274	4522
KPM1000	1000	101	126	200	327	478	620	860	1290	1509	1670	1911	2311	3222	3602	4295	4545

Datos de Rendimiento de Descarga

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	C ₅ Ah	Hours						Minutes						Seconds		
		8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.17	1.85	3.03	4.42	5.74	8.11	12.1	14.8	16.7	19.5	24.8	39.0	45.1	56.3	59.2
KPH20	20	2.34	3.70	6.06	8.83	11.5	16.2	24.2	29.6	33.4	39.0	49.6	78.0	90.3	113	118
KPH30	30	3.51	5.55	9.09	13.2	17.2	24.3	36.3	44.4	50.2	58.5	74.4	117	135	169	178
KPH35	35	4.09	6.47	10.6	15.5	20.1	28.4	42.4	51.8	58.5	68.3	86.8	137	158	197	207
KPH40	40	4.68	7.40	12.1	17.7	22.9	32.5	48.5	59.2	66.9	78.0	99.2	156	181	225	237
KPH50	50	5.85	9.25	15.2	22.1	28.7	40.6	60.6	74.0	83.6	97.5	124	195	226	282	296
KPH60	60	7.02	11.1	18.2	26.5	34.4	48.7	72.7	88.8	100	117	149	234	271	338	355
KPH70	70	8.19	12.9	21.2	30.9	40.2	56.8	84.8	104	117	137	174	273	316	394	414
KPH80	80	9.36	14.8	24.2	35.3	45.9	64.9	96.9	118	134	156	198	312	361	451	473
KPH100	100	11.7	18.5	30.3	44.2	57.4	81.1	121	148	167	195	248	390	451	563	592
KPH120	120	14.0	22.2	36.4	53.0	68.8	97.4	145	178	201	234	298	468	542	676	710
KPH150	150	17.5	27.7	45.5	66.2	86.0	122	182	222	251	293	372	585	677	845	888
KPH180	180	21.1	33.3	54.5	79.5	103	146	218	266	301	351	446	702	812	1014	1065
KPH200	200	23.4	37.0	60.6	88.3	115	162	242	296	334	390	496	780	903	1127	1183
KPH250	250	29.2	46.2	75.8	110	143	203	303	370	418	488	620	975	1128	1408	1479
KPH300	300	35.1	55.5	90.9	132	172	243	363	444	502	585	744	1171	1354	1690	1775
KPH350	350	40.9	64.7	106	155	201	284	424	518	585	683	868	1366	1580	1972	2071
KPH400	400	46.8	74.0	121	177	229	325	485	592	669	780	992	1561	1805	2254	2367
KPH500	500	58.5	92.5	152	221	287	406	606	740	836	975	1240	1951	2257	2817	2958

Datos de Rendimiento de Descarga

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	C ₅ Ah	Hours						Minutes						Seconds		
		8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.21	1.92	3.15	4.64	6.08	8.72	14.5	17.7	20.2	23.6	29.7	45.5	52.6	64.5	72.3
KPH20	20	2.42	3.84	6.30	9.28	12.2	17.4	29.0	35.4	40.5	47.2	59.5	91.1	105	129	145
KPH30	30	3.63	5.76	9.45	13.9	18.2	26.2	43.5	53.1	60.7	70.9	89.2	137	158	193	217
KPH35	35	4.24	6.72	11.0	16.2	21.3	30.5	50.7	61.9	70.8	82.7	104	159	184	226	253
KPH40	40	4.85	7.68	12.6	18.6	24.3	34.9	58.0	70.8	80.9	94.5	119	182	211	258	289
KPH50	50	6.06	9.60	15.8	23.2	30.4	43.6	72.5	88.5	101	118	149	228	263	322	362
KPH60	60	7.27	11.5	18.9	27.8	36.5	52.3	86.9	106	121	142	178	273	316	387	434
KPH70	70	8.48	13.4	22.1	32.5	42.5	61.0	101	124	142	165	208	319	368	451	506
KPH80	80	9.69	15.4	25.2	37.1	48.6	69.7	116	142	162	189	238	364	421	516	578
KPH100	100	12.1	19.2	31.5	46.4	60.8	87.2	145	177	202	236	297	455	526	645	723
KPH120	120	14.5	23.0	37.8	55.7	72.9	105	174	212	243	283	357	547	632	774	868
KPH150	150	18.2	28.8	47.3	69.6	91.1	131	217	265	303	354	446	683	790	967	1085
KPH180	180	21.8	34.6	56.7	83.5	109	157	261	319	364	425	535	820	948	1161	1301
KPH200	200	24.2	38.4	63.0	92.8	122	174	290	354	405	472	595	911	1053	1290	1446
KPH250	250	30.3	48.0	78.8	116	152	218	362	442	506	591	743	1139	1316	1612	1808
KPH300	300	36.3	57.6	94.5	139	182	262	435	531	607	709	892	1366	1579	1935	2169
KPH350	350	42.4	67.2	110	162	213	305	507	619	708	827	1041	1594	1842	2257	2531
KPH400	400	48.5	76.8	126	186	243	349	580	708	809	945	1189	1822	2106	2580	2892
KPH500	500	60.6	96.0	158	232	304	436	725	885	1011	1181	1487	2277	2632	3225	3615

Datos de Rendimiento de Descarga

KPH series Battery

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

Available current under $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Final voltage 1.05V/cell

Models	C ₅ Ah	Hours						Minutes						Seconds		
		8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.24	1.97	3.24	4.79	6.30	9.09	16.3	21.1	23.9	28.3	35.5	54.2	61.7	76.2	81.8
KPH20	20	2.48	3.94	6.48	9.58	12.6	18.2	32.6	42.2	47.8	56.5	71.1	108	123	152	164
KPH30	30	3.72	5.91	9.72	14.4	18.9	27.3	48.9	63.3	71.7	84.8	107	162	185	229	245
KPH35	35	4.35	6.89	11.3	16.8	22.1	31.8	57.1	73.8	83.6	98.9	124	190	216	267	286
KPH40	40	4.97	7.88	13.0	19.2	25.2	36.4	65.2	84.4	95.5	113	142	217	247	305	327
KPH50	50	6.21	9.85	16.2	24.0	31.5	45.5	81.5	105	119	141	178	271	309	381	409
KPH60	60	7.45	11.8	19.4	28.8	37.8	54.6	97.8	127	143	170	213	325	370	457	491
KPH70	70	8.69	13.8	22.7	33.5	44.1	63.7	114	148	167	198	249	379	432	534	572
KPH80	80	9.93	15.8	25.9	38.3	50.4	72.8	130	169	191	226	284	433	494	610	654
KPH100	100	12.4	19.7	32.4	47.9	63.0	90.9	163	211	239	283	355	542	617	762	818
KPH120	120	14.9	23.6	38.9	57.5	75.6	109	196	253	287	339	427	650	741	915	981
KPH150	150	18.6	29.5	48.6	71.9	94.5	136	245	316	358	424	533	812	926	1143	1227
KPH180	180	22.3	35.5	58.3	86.3	113	164	293	380	430	509	640	975	1111	1372	1472
KPH200	200	24.8	39.4	64.8	95.8	126	182	326	422	478	565	711	1083	1235	1525	1635
KPH250	250	31.0	49.2	81.0	120	158	227	408	527	597	707	889	1354	1543	1906	2044
KPH300	300	37.2	59.1	97.2	144	189	273	489	633	717	848	1066	1625	1852	2287	2453
KPH350	350	43.5	68.9	113	168	221	318	571	738	836	989	1244	1895	2161	2668	2862
KPH400	400	49.7	78.8	130	192	252	364	652	844	955	1131	1422	2166	2469	3049	3271
KPH500	500	62.1	98.5	162	240	315	455	815	1055	1194	1413	1777	2708	3087	3811	4089

Datos de Rendimiento de Descarga

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	C ₅ Ah	Hours						Minutes						Seconds		
		8	5	3	2	1.5	1	30	20	15	10	5	1	30	5	1
KPH10	10	1.25	2.00	3.29	4.87	6.42	9.40	17.2	23.2	27.2	32.3	41.2	61.4	70.0	88.2	96.8
KPH20	20	2.50	4.00	6.58	9.74	12.8	18.8	34.4	46.4	54.4	64.6	82.3	123	140	176	194
KPH30	30	3.75	6.00	9.87	14.6	19.2	28.2	51.6	69.6	81.6	96.9	124	184	210	265	290
KPH35	35	4.37	7.00	11.5	17.0	22.5	32.9	60.2	81.2	95.2	113	144	215	245	309	339
KPH40	40	5.00	8.00	13.2	19.5	25.7	37.6	68.8	92.8	109	129	165	245	280	353	387
KPH50	50	6.25	10.0	16.5	24.3	32.1	47.0	86.0	116	136	162	206	307	350	441	484
KPH60	60	7.49	12.0	19.7	29.2	38.5	56.4	103	139	163	194	247	368	420	529	581
KPH70	70	8.74	14.0	23.0	34.1	44.9	65.8	120	162	190	226	288	430	490	617	678
KPH80	80	9.99	16.0	26.3	38.9	51.3	75.2	138	186	218	258	329	491	560	706	774
KPH100	100	12.5	20.0	32.9	48.7	64.2	94.0	172	232	272	323	412	614	700	882	968
KPH120	120	15.0	24.0	39.5	58.4	77.0	113	206	278	326	388	494	736	840	1058	1162
KPH150	150	18.7	30.0	49.4	73.0	96.2	141	258	348	408	485	618	920	1051	1323	1452
KPH180	180	22.5	36.0	59.2	87.6	115	169	310	418	490	581	741	1104	1261	1587	1742
KPH200	200	25.0	40.0	65.8	97.4	128	188	344	464	544	646	823	1227	1401	1764	1936
KPH250	250	31.2	50.0	82.3	122	160	235	430	580	680	808	1029	1534	1751	2205	2420
KPH300	300	37.5	60.0	98.7	146	192	282	516	696	816	969	1235	1841	2101	2646	2904
KPH350	350	43.7	70.0	115	170	225	329	602	812	952	1131	1441	2148	2451	3087	3388
KPH400	400	50.0	80.0	132	195	257	376	688	928	1088	1292	1647	2454	2802	3528	3872
KPH500	500	62.5	100	165	243	321	470	860	1160	1360	1615	2058	3068	3502	4409	4840

Datos de Rendimiento de Descarga

KPH series Battery

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

Available current under $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Final voltage 0.85V/cell

Models	C ₀ 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
KPH35	35	247	268	300	343	371	403
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
KPH180	180	1275	1359	1539	1764	1908	2070
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	2468	2678	2975	3430	3710	4025
KPH400	400	2840	3060	3420	3920	4240	4600
KPH500	500	3525	3825	4275	4900	5300	5750

Datos de Rendimiento de Descarga

KPH series Battery

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

Available current under $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Final voltage 0.65V/cell

Models	C ₅ 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
KPH35	35	324	357	382	459	504	546
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
KPH180	180	1665	1836	1962	2358	2592	2808
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.