

NiCad Translucent Case Battery

NICKEL CADMIUM ALKALINE BATTERY



- High performance nickel cadmium storage battery
- Ideally suited for UPS, railway, power and substations, alternative energy stations shipboard equipment and telecommunications applications
- 20 year design life
- 5 year full warranty

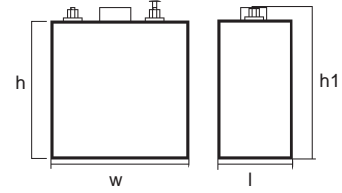
Alpha's KM-P/N Nickel Cadmium Translucent Pocket Plate Battery is designed and manufactured for UPS applications. The KM-P/N features make Alpha Ni-Cad batteries one of the most reliable and adequate systems available in the market for a cost-effective, durable and safe solution.

The KM-P/M battery fulfills all requirements in accordance with IEC 60623 and EN 60623. Strict quality controls, the use of high quality materials, steady development of production and company processes combined with an uncompromising commitment to customer service makes the KM-P/N battery the world quality standard.

Nickel Cadmium Translucent Battery

General Specifications

Model:	KM-P/N
Standard Warranty:	5 yr full plus 15 yr prorated
Service Life:	20 yr
Range of Capacity:	11 to 1250Ah
Time of Discharge:	10min to 60min
Operating Range:	-40° to 50°C (-22° to 122°F)



Range KM-P/N Mechanical Specifications

Type	Rated capacity (Ah)	Dimensions (in/mm)				Poles / Terminals		Weight (lb/kg)	
		L	W	H	H1	N-Nut or S-Screw	Size	without electrolyte	Total weight
KM 11 P/N	11	1.18/46	3.3/85	6.6/167	7.4/187	N	2 x M 10	1.6/0.71	2.3/1.03
KM 18 P/N	18	1.18/46	3.3/85	9.3/237	10.1/257	N	2 x M 10	2.3/1.04	3.3/1.48
KM 24 P/N	24	1.18/46	3.3/85	9.3/237	10.1/257	N	2 x M 10	2.5/1.12	3.33/1.51
KM 30 P/N	30	1.18/46	3.3/85	9.3/237	10.1/257	N	2 x M 10	2.8/1.27	3.6/1.64
KM 40 P/N	40	3.3/85	3.3/85	9.3/237	10.1/257	N	2 x M 10	4.0/1.80	5.9/2.68
KM 48 P/N	48	3.3/85	3.3/85	9.3/237	10.1/257	N	2 x M 10	4.5/2.05	6.2/2.82
KM 55 P/N	55	3.3/85	3.3/85	9.3/237	10.1/257	N	2 x M 10	5.1/2.30	6.6/2.97
KM 65 P/N	65	2.0/53	5.2/134	14.3/364	15.4/392	S	2 x M 8	7.9/3.56	10.7/4.85
KM 75 P/N	75	2.0/53	5.2/134	14.3/364	15.4/392	S	2 x M 8	8.3/3.78	11/5.00
KM 90 P/N	90	2.7/69	5.2/134	14.3/364	15.4/392	S	2 x M 8	9.6/4.36	13.6/6.18
KM 110 P/N	110	2.7/69	5.2/134	14.3/364	15.4/392	S	2 x M 8	10.9/4.94	14.4/6.51
KM 125 P/N	125	2.7/70	6.5/164	14.3/364	15.4/392	S	2 x M 8	12.4/5.61	17/7.67
KM 140 P/N	140	2.7/70	6.5/164	14.3/364	15.4/392	S	2 x M 8	13.3/6.04	17.3/7.84
KM 160 P/N	160	4.3/108	6.5/164	14.3/364	15.4/392	S	2 x M 8	15.3/6.92	23.4/10.61
KM 185 P/N	185	4.3/108	6.5/164	14.3/364	15.4/392	S	2 x M 8	16.5/7.50	24/10.91
KM 205 P/N	205	4.3/108	6.5/164	14.3/364	15.4/392	S	2 x M 8	18.2/8.27	24.6/11.17
KM 225 P/N	225	4.3/108	6.5/164	14.3/364	15.4/392	S	2 x M 8	19.4/8.82	25.6/11.62
KM 250 P/N	250	4.3/108	6.5/164	14.3/364	15.4/392	S	2 x M 8	21.2/9.62	27/12.22
KM 270 P/N	270	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	24.7/11.20	36/16.30
KM 300 P/N	300	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	25.4/11.50	36.4/16.50
KM 320 P/N	320	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	27/12.20	37.5/17.00
KM 340 P/N	340	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	28.7/13.00	38.6/17.50
KM 355 P/N	355	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	30.2/13.70	39.7/18.00
KM 380 P/N	380	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	70.6/32.00	95/43.10
KM 400 P/N	400	6.5/164	6.2/158	14.3/364	15.4/392	S	2 x M 10	33.3/15.10	41.7/18.90
KM 450 P/N	450	6.9/176	9.7/246	15/382	16/408	S	4 x M 10	44.1/20.00	60.2/27.30
KM 500 P/N	500	6.9/176	9.7/246	15/382	16/408	S	4 x M 10	46.7/21.20	62.4/28.30
KM 550 P/N	550	6.9/176	9.7/246	15/382	16/408	S	4 x M 10	49.4/22.40	64.6/29.30
KM 600 P/N	600	6.9/176	14.5/368	15/382	16/408	S	6 x M 10	59.5/27.00	89.7/40.70
KM 675 P/N	675	6.9/176	14.5/368	15/382	16/408	S	6 x M 10	65/29.50	92.4/41.90
KM 750 P/N	750	6.9/176	14.5/368	15/382	16/408	S	6 x M 10	70.6/32.00	95/43.10
KM 1000 P/N	1000	6.9/176	17.6/448	15/382	16/408	S	8 x M 10	94.4/42.80	123.5/56.00
KM 1250 P/N	1250	6.9/176	22/558	15/382	16/408	S	10 x M 10	115.5/52.40	152/68.90



Nickel Cadmium Translucent Battery

Range KM-P/N Electrical Specifications

End Voltage = 1.15 V

Type	Discharge Current (A) to End Voltage at 25°C (77°F Fully Charged)										
	5 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h
KM 11 P/N	11	10	9	8	8	6	5	5	3	3	2
KM 18 P/N	18	16	15	14	13	10	9	8	5	4	4
KM 24 P/N	23	21	20	18	17	14	12	10	7	6	5
KM 30 P/N	29	26	24	23	21	17	15	13	9	7	6
KM 40 P/N	39	35	31	30	28	22	19	17	12	10	8
KM 48 P/N	47	42	38	36	33	26	23	20	15	12	10
KM 55 P/N	54	48	43	41	38	30	26	23	17	14	11
KM 65 P/N	57	53	50	47	44	35	30	26	19	16	13
KM 75 P/N	66	61	58	55	51	40	34	30	22	18	15
KM 90 P/N	79	74	70	66	61	48	41	36	26	22	18
KM 110 P/N	97	90	85	80	74	59	50	44	32	27	22
KM 125 P/N	107	96	91	86	82	64	55	48	37	30	25
KM 140 P/N	120	108	102	96	87	72	62	54	42	34	28
KM 160 P/N	137	123	116	110	99	82	70	62	48	38	32
KM 185 P/N	158	143	135	127	115	95	81	71	55	44	37
KM 205 P/N	175	158	149	141	127	105	90	79	61	49	41
KM 225 P/N	183	167	157	150	137	112	98	86	65	53	45
KM 250 P/N	204	185	174	167	152	124	108	95	72	58	50
KM 270 P/N	220	200	188	180	164	134	117	103	78	63	54
KM 300 P/N	255	239	223	215	199	164	143	120	92	71	60
KM 320 P/N	272	254	238	229	212	174	152	128	98	75	64
KM 340 P/N	289	270	253	243	225	185	162	136	104	80	68
KM 355 P/N	302	282	264	254	235	194	169	142	108	83	71
KM 380 P/N	323	302	282	272	252	207	181	152	116	89	76
KM 400 P/N	340	318	297	286	265	218	190	160	122	94	80
KM 450 P/N	367	333	313	300	273	223	195	172	130	105	90
KM 500 P/N	407	370	348	333	304	248	217	191	144	117	100
KM 550 P/N	448	407	383	367	334	273	238	210	159	128	110
KM 600 P/N	489	445	418	400	365	298	260	229	173	140	120
KM 675 P/N	550	500	470	450	410	335	292	258	195	157	135
KM 750 P/N	611	555	522	500	456	372	325	286	217	175	150
KM 1000 P/N	815	741	696	667	608	496	433	382	289	233	200
KM 1250 P/N	1019	926	871	834	760	621	542	477	361	292	250

End Voltage = 1.10V

Type	Discharge Current (A) to End Voltage at 25°C (77°F Fully Charged)										
	5 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h
KM 11 P/N	15	13	12	11	10	8	6	5	4	3	2
KM 18 P/N	25	22	19	18	16	13	10	9	6	5	4
KM 24 P/N	34	29	26	24	22	17	14	11	8	6	5
KM 30 P/N	42	36	32	30	27	22	17	14	10	8	6
KM 40 P/N	51	44	41	38	34	27	23	19	13	11	8
KM 48 P/N	61	53	49	45	41	32	27	22	16	13	10
KM 55 P/N	70	61	56	52	47	37	31	26	18	15	12
KM 65 P/N	77	71	65	61	56	44	36	30	21	17	14
KM 75 P/N	89	82	75	70	64	51	41	35	25	19	16
KM 90 P/N	106	98	90	84	77	61	49	42	30	23	19
KM 110 P/N	130	120	110	103	94	74	60	51	36	29	23
KM 125 P/N	142	130	119	113	104	82	67	56	40	32	26
KM 140 P/N	159	146	133	126	116	92	75	63	45	36	29
KM 160 P/N	182	166	152	144	133	105	86	72	52	41	22
KM 185 P/N	210	192	176	167	153	122	99	83	60	47	39
KM 205 P/N	233	213	195	185	170	135	110	92	66	52	43
KM 225 P/N	248	226	208	195	182	147	122	102	72	57	47
KM 250 P/N	276	251	231	217	202	163	135	113	80	63	53
KM 270 P/N	298	271	249	234	218	176	146	122	86	68	57
KM 300 P/N	353	319	305	296	263	210	174	138	98	77	63
KM 320 P/N	376	340	325	316	281	224	186	147	105	82	67
KM 340 P/N	400	361	345	336	298	238	197	156	111	87	71
KM 355 P/N	417	377	360	351	312	249	206	163	116	91	75
KM 380 P/N	447	404	386	375	334	266	220	175	125	97	80
KM 400 P/N	470	425	406	395	351	280	232	184	131	102	84
KM 450 P/N	497	452	415	390	363	293	243	203	143	113	95
KM 500 P/N	552	502	461	433	404	326	270	226	159	126	105
KM 550 P/N	607	552	507	477	444	359	297	249	175	139	116
KM 600 P/N	662	602	553	520	485	391	325	271	191	151	126
KM 675 P/N	745	677	623	585	45	440	365	305	215	170	142
KM 750 P/N	828	753	692	650	606	489	406	339	239	189	158
KM 1000 P/N	1104	1004	922	867	807	652	541	452	318	252	210
KM 1250 P/N	1380	1255	1153	1084	1010	815	676	565	398	315	263



Range KM-P/N Electrical Specifications

End Voltage = 1.05 V

Type	Discharge Current (A) to End Voltage at 25°C (77°F Fully Charged)										
	5 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h
KM 11 P/N	19	17	15	14	12	9	7	6	4	3	2
KM 18 P/N	31	28	24	23	20	15	11	9	6	5	4
KM 24 P/N	42	37	32	30	26	20	15	12	8	7	5
KM 30 P/N	52	46	40	38	33	25	19	15	10	8	6
KM 40 P/N	66	59	54	50	43	31	25	20	14	11	9
KM 48 P/N	79	70	65	60	52	38	30	24	17	13	11
KM 55 P/N	90	81	74	69	60	43	34	27	19	15	12
KM 65 P/N	101	90	83	77	68	51	40	31	22	17	14
KM 75 P/N	116	104	96	89	78	59	46	36	25	20	16
KM 90 P/N	139	124	115	106	94	70	55	43	30	24	20
KM 110 P/N	170	152	140	130	115	86	67	53	37	29	24
KM 125 P/N	177	162	151	142	130	99	76	60	42	33	27
KM 140 P/N	198	181	169	158	146	111	85	67	46	37	30
KM 160 P/N	226	207	193	181	166	126	97	77	53	42	34
KM 185 P/N	262	239	223	209	192	146	112	88	61	49	40
KM 205 P/N	290	265	247	232	213	162	124	98	68	54	44
KM 225 P/N	321	296	277	264	235	175	138	110	75	59	48
KM 250 P/N	357	329	307	294	261	194	154	122	83	65	54
KM 270 P/N	385	355	332	317	282	210	166	132	90	71	58
KM 300 P/N	439	401	389	368	330	257	191	147	102	78	65
KM 320 P/N	468	428	414	392	352	274	203	157	109	83	69
KM 340 P/N	497	455	440	417	374	292	216	167	116	88	73
KM 355 P/N	519	475	460	435	391	304	225	174	121	92	76
KM 380 P/N	556	508	492	466	418	326	241	186	129	99	82
KM 400 P/N	585	535	518	490	440	343	254	196	136	104	86
KM 450 P/N	642	592	553	528	470	350	277	220	149	118	97
KM 500 P/N	713	657	615	587	522	389	307	244	166	131	108
KM 550 P/N	784	723	676	646	574	428	338	269	182	144	118
KM 600 P/N	856	789	738	704	627	467	369	293	199	157	129
KM 675 P/N	963	888	830	793	705	525	415	330	224	177	145
KM 750 P/N	1070	986	922	881	783	583	461	367	249	196	161
KM 1000 P/N	1426	1315	1230	1174	1044	778	615	489	332	262	215
KM 1250 P/N	1783	1644	1537	1468	1306	972	769	611	415	327	269

End Voltage = 1 V

Type	Discharge Current (A) to End Voltage at 25°C (77°F Fully Charged)										
	5 min	10 min	15 min	20 min	30 min	1 h	1.5 h	2 h	3 h	4 h	5 h
KM 11 P/N	22	20	18	17	15	10	7	6	4	3	2
KM 18 P/N	36	33	30	27	24	17	12	9	6	5	4
KM 24 P/N	48	44	40	36	32	22	16	12	9	7	5
KM 30 P/N	60	55	50	46	40	28	20	15	11	8	7
KM 40 P/N	76	70	64	57	50	34	27	21	14	11	9
KM 48 P/N	91	84	76	68	60	41	32	25	17	13	11
KM 55 P/N	104	96	88	78	69	47	36	28	19	15	12
KM 65 P/N	112	103	97	92	83	57	43	33	23	17	14
KM 75 P/N	130	119	112	106	96	66	49	38	26	20	17
KM 90 P/N	156	143	134	127	115	79	59	46	32	24	20
KM 110 P/N	190	175	164	155	140	96	73	56	39	30	24
KM 125 P/N	210	192	182	173	156	111	81	62	43	34	28
KM 140 P/N	236	215	204	194	174	124	90	69	48	38	31
KM 160 P/N	269	246	233	222	199	142	103	79	55	43	35
KM 185 P/N	311	284	270	256	230	164	119	91	63	50	41
KM 205 P/N	345	315	299	284	255	182	132	101	70	55	45
KM 225 P/N	375	342	320	305	277	196	148	113	76	60	50
KM 250 P/N	417	380	356	339	307	218	164	125	84	67	55
KM 270 P/N	450	410	384	366	332	235	177	135	91	72	59
KM 300 P/N	533	484	458	428	383	281	201	152	104	80	66
KM 320 P/N	568	516	488	457	408	300	214	162	110	85	70
KM 340 P/N	604	548	519	485	434	319	228	173	117	90	75
KM 355 P/N	630	572	541	507	453	334	238	180	123	94	78
KM 380 P/N	675	613	580	543	485	356	255	193	131	101	84
KM 400 P/N	710	645	610	571	510	375	268	203	138	106	88
KM 450 P/N	750	683	640	610	553	392	295	225	152	120	99
KM 500 P/N	833	759	711	678	615	435	328	250	169	133	110
KM 550 P/N	917	835	782	746	676	479	361	275	186	147	121
KM 600 P/N	1000	911	853	813	738	522	393	300	202	160	132
KM 675 P/N	1125	1025	960	915	830	588	443	338	228	180	149
KM 750 P/N	1250	1139	1067	1017	922	653	492	375	253	200	165
KM 1000 P/N	1667	1518	1422	1356	1230	870	656	500	337	267	220
KM 1250 P/N	2084	1898	1778	1695	1537	1088	820	625	422	334	275

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