KAMCAP Catalogue - Aldinet

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Aldinet

Company Profile

Jinzhou Kaimei Power Co.Ltd located in Jinzhou City.Liaoning province,China is a professional manufacturer of supercapacitor.The company is mainly engaged in developing,manufacturing and selling supercapacitors and has beenawardedthe title of "high-tech enterprises" by the government of Liaoning Province .

The company introduced many professional production and test equipments such as automatic winding machine,automatic jacketing machine laser spot welder,automatic separator, ARBIN test equipments for supercapacitor.With all these advanced machines,we can produce more than 100 specification of supercapacitors and can supply special products according to the customer's requirements. We have already obtained the ISO9001:2008 International Quality System Certification and ISO14001:2004 Environmental Management System Certification .Our products meet the requirements of RoHs and have already be sold to all over the world.

Our company has our own R&D centers,all our products were developed by ourselves.We have proprietary intellectual property rights for our supercapacitors .We have obtained 8 patents of invention and 6 utility model patents during the past several years.Now we are doing the Ministry of Science and Technology 's project "Development and research for supercapacitor system(State 863 projects)

After many year's development, now our company has already became the largest ,most competitive manufacturer of supercapacitors with various specifications in China."To make the best supercapacitor and be the world class manufacturer" is the eternal goal of KAM.To supply our customers with high quality products ,professional technical support and perfect services are our consistent pursuit.

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QUALIFICATION

ISO Certification

High-tech Certificate

SGS Certification

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Product Application

1. It is used as a reserve power source, data protection and spare in the electronic products with memory function.

2. It is used as a power source of device with mini watt.

3. It is used for electric start system of various internal-combustion engine with storage battery .

4. It is used as dc operating power source of high-voltage switch equipment.

5. It is used for starting the electric vehicles , recovering accelerating and braking energy ,can effectively protect the storage battery,lengthen the life of the storage battery economize the energy, protect the environment .

6. It is used for the reserve power source or short-time energy-compensation power source of continuous power supply system of important users in chemical fiber , chemical industry and petroleum.

7. It is used for the equipment s of electric pulse technology.

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COIN TYPE SERIES

SE Series
Characteristics: Standard energy series.
Typical application: Solar lighting, backup power, medical equipment, LED lighting, handheld electronics

Series name	SE Series
Type name	SE -5R5-D
Rated voltage	5.5V
Surge voltage	5.8V
Capacitance range	0.1F~1.5F
Operating temperature range	-25~ +70℃
Life time	Normal temperature cycle life: at 25℃, cycle 50,000 times between VR to 1/2 VR , capacity attenuation ≤ 30%, internal resistance change ≤ 3 times .
	High temperature endurance life: at 60℃, keep rated voltage for 1000 hours. Capacity attenuation ≤ 30%, internal resistance change ≤ 3 times

Model	C(F)	ESR (Ω)		W (g)	Size (mm)		
		DC	AC(1kHz)		D	H	P
SE-5R5-D104VY	0.1	100	50	2.7	13.5	6.0	5
SE-5R5-D104VYH	0.1	100	50	1.2	11	6.5	10.5
SE-5R5-D104VYV	0.1	100	50	1.2	11	12.5	5
SE-5R5-D224VY	0.22	80	40	2.8	13.5	6.5	5
SE-5R5-D224VYH	0.22	80	40	1.3	11	6.5	10.5
SE-5R5-D224VYV	0.22	80	40	1.3	11	12.5	5
SE-5R5-D334VY	0.33	80	40	2.9	13.5	6.5	5
SE-5R5-D334VYH	0.33	80	40	1.3	11	6.5	10.5
SE-5R5-D334VYV	0.33	80	40	1.3	11	12.5	5
SE-5R5-D474VY	0.47	80	40	6.5	13.5	6.5	5
SE-5R5-D474VYH	0.47	80	40	2.5	11	6.5	10.5
SE-5R5-D474VYV	0.47	80	40	2.5	11	12.5	5
SE-5R5-D684VY	0.68	36	18	8.1	20.5	7.0	6/5
SE-5R5-D684VYH	0.68	36	18	3.7	18.5	5.5	19
SE-5R5-D684VYV	0.68	36	18	3.7	18.5	20	5
SE-5R5-D105VY	1	30	15	8	20.5	7.0	6/5
SE-5R5-D105VYH	1	30	15	3.5	18.5	5.5	19
SE-5R5-D105VYV	1	30	15	3.5	18.5	20	5
SE-5R5-D155VY	1.5	20	10	8.2	20.5	7.0	6/5

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PRODUCT PERFORMANCE SHEET

SP Series

Characteristics: Standard energy series.

Typical application: Solar lighting, backup power, medical equipment, LED lighting, handheld electronics

Series specification sheet:

Series name	SP Series	SE Series
Type name	SP -5R5	SE -5R5
Rated voltage	5.5V	5.5V
Surge voltage	5.8V	5.8V
Capacitance range	0.1F~1.5F	0.1F~1.5F
Operating temperature range	-40 ~ +70℃	-25 ~ +70℃
Life time	Normal temperature cycle life: at 25℃, cycle 50,000 times between VR to 1/2 VR , capacity attenuation ≤ 30%, internal resistance change ≤ 3 times .	
	High temperature endurance life: at 60℃, keep rated voltage for 1000 hours. Capacity attenuation ≤ 30%, internal resistance change ≤ 3 times	

Model	C(F)	ESR (mΩ)		W(g)	Size (mm)			
		DC	AC(1kHz)		T	W	H	P
SP/SE-5R5-Z104VYA	0.1	2400/4800	1200/2400	1.6	6.6	12	13.5	7
SP/SE-5R5-Z224VYA	0.22	1400/2400	700/1200	2.3	8	14.5	13.5	9.1
SP/SE-5R5-Z334VYA	0.33	1200/2400	600/1200	2.9	9.6	18.1	18	12
SP/SE-5R5-Z474VYA	0.47	1200/2400	600/1200	3	9.6	18.1	18	12
SP/SE-5R5-Z105VYA	1	480/1000	240/500	6	11.6	22	25.5	15
SP/SE-5R5-Z155TYA	1.5	480/1000	240/500	4	9.6	18.1	25.5	12
SP/SE-5R5-Z155VYA	1.5	280/800	140/400	6.2	11.6	22	25.5	15

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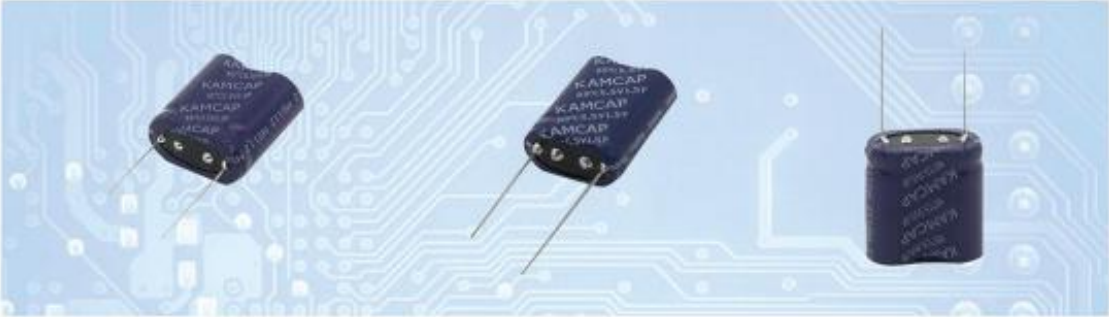
COMBINED SERIES

SP Series

Characteristics: Standard energy series.

Typical application: Solar lighting, backup power, medical equipment, LED lighting, handheld electronics



Series name	SP / SE Series	
Type name	SP -5R5	SE -5R5
Rated voltage	5.5V	5.5V
Surge voltage	5.8V	5.8V
Capacitance range	0.1F~7.5F	0.1F~7.5F
Operating temperature range	-40 ~ +70℃	-25 ~ +70℃
Life time	Normal temperature cycle life: at 25℃, cycle 50,000 times between VR to 1/2 VR, capacity attenuation ≤ 30%, internal resistance change ≤ 3 times.	
	High temperature endurance life: at 60℃, keep rated voltage for 1000 hours. Capacity attenuation ≤ 30%, internal resistance change ≤ 3 times	

Model	C(F)	ESR(mΩ)		W	Size(mm)			
		DC	AC	(g)	T	W	H	P
SP/SE-5R5-Z104VY	0.1	2400/4800	1200/2400	0.8	5.5	11	11.5	6.8
SP/SE-5R5-Z224VY	0.22	1400/2400	700/1200	1.2	7	13	11.5	9.1
SP/SE-5R5-Z334VY	0.33	1200/2400	600/1200	2.4	8.5	17	16 H	12
SP/SE-5R5-Z474VY	0.47	1200/2400	600/1200	2.5	8.5	17	16	12
SP/SE-5R5-Z105VY	1.0	480/1000	240/500	2.9	8.5	16.	26	12
SP/SE-5R5-Z105VY	1.0	480/1000	240/500	3.3	10.5	21	23	16
SP/SE-5R5-Z155TY	1.5	480/1000	240/500	2.8	8.5	16.	26	12
SP/SE-5R5-Z155TY	1.5	480/1000	240/500	3	8.5	16.	23	12
SP/SE-5R5-Z155VY	1.5	280/800	140/400	3.5	10.5	21	23	16
SP/SE-5R5-Z205VY	2	240/480	120/240	7	13	26	24	18
SP/SE-5R5-Z355VY	3.5	400	200	7	10.5	21	23	16
SP/SE-5R5-Z405UY	4	200/400	100/200	8.5	13	26	24	18
SP/SE-5R5-Z505UY	5	180/240	90/120	10	13	26	28	18
SP/SE-5R5-Z605UY	6	180/240	90/120	13	13	26	37	18
SP/SE-5R5-Z755UY	7.5	120/200	60/100	15.5	16	32.	28	8

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WINDING SERIES

HP Series

Characteristics: Winding series。

Typical application: Solar lighting, backup power, medical equipment, LED lighting, handheld electronics

Series name	HP Series		
Type name	HP LR	HP LL	HP
Rated voltage	2.7V	2.7V	3.0V
Surge voltage	2.85V	2.85V	3.15V
Capacitance range	0.15F~3000F	0.35F~10F	1F-500F
Operating temperature range	-40 ~ +70℃	-25 ~ +70℃	-40 ~ +65℃
Life time	Normal temperature cycle life: at 25℃, cycle 50,000 times between VR to 1/2 VR , capacity attenuation ≤ 30%, internal resistance change ≤ 3 times .		
	High temperature endurance life: at 60℃, keep rated voltage for 1000 hours. Capacity attenuation ≤ 30%, internal resistance change ≤ 4 times		

Model	C (F)	ESR (mΩ)		W(g)	Size (mm)		
		DC	AC		D	H	P
HP-2R7-J154VY LR	0.15	500	250	0.4	5	10	2
HP-2R7-J354UY LR	0.35	500	250	0.6	5	12	2
HP-2R7-J504VY LR	0.5	700	350	0.6	6.3	13	2.5
HP-2R7-J704VY LR	0.7	600	300	1.5	8	13	3.5
HP-2R7-J105VY LR	1	600	300	1.5	8	13	3.5
HP-2R7-J335TY LR	3.3	500	120	1.8	8	24	3.5
HP-2R7-J335TY LR	3.3	500	120	1.6	8	20	3.5
HP-2R7-J335VY LR	3.3	140	70	2.4	10	20	5
HP-2R7-J475VY LR	4.7	120	60	3.1	12.5	21	5
HP-2R7-J505VYH LR	5	120	60	2	10	20	5
HP-2R7-J705VY LR	7	160	80	2.2	10	20	5
HP-2R7-J805UY LR	8	100	50	4	12.5	21	5
HP-2R7-J106UY LR	10	160	80	4.4	12.5	26	5
HP-2R7-J106UY LR	10	120	60	6.2	12.5	34	5
HP-2R7-J126UY	12	70	35	6.5	12.5	26	5
HP-2R7-J156UY	15	60	30	7.5	16	26	7.5
HP-2R7-J206UY	20	46	23	11	16	34	7.5
HP-2R7-J256UY	25	100	20	11	16	34	7.5
HP-2R7-J306UY	30	40	20	8.8	16	34	7.5
HP-2R7-J506UY	50	40	20	12.5	18	42	7.5
HP-2R7-J606UY	60	40	20	13	18	42	7.5
HP-2R7-J906UY	90	30	15	20	22	46	10

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WINDING SERIES

HP-2R7-J107UY	100	30	15	22	22	46	10
HP-2R7-J127UY	120	30	15	27	25	54	10
HP-2R7-J157UY	150	30	15	32	25	54	10
HP-2R7-J207UY	200	20	10	46	35	62	10
HP-2R7-J307UY	300	20	10	60	35	54	10
HP-2R7-J307UY	300	20	10	60	35	62	10
HP-2R7-J367UY LR	360	7	3.5	70	35	62	10
HP-2R7-J407UY	400	20	10	70	35	62	10
HP-2R7-J477UY	470	10	5	85	35	62	10
HP-2R7-J657UN	650	10	5	110	35	95	12.5
HP-2R7-J707UN	700	10	5	110	35	95	12.5
HP-2R7-J807UN	800	10	5	140	35	95	12.5
HP-2R7-J108UN	1000	10	5	180	50.8	71	21.8
HP-2R7-J128UN	1200	6	3	220	50.8	108	21.8
HP-2R7-J158UN	1500	6	3	290	50.8	108	21.8
HP-2R7-J208UN	2000	4	2	350	50.8	133	21.8
HP-2R7-J248UN	2400	4	2	420	50.8	133	21.8
HP-2R7-J308UN	3000	4	2	570	63.5	133	28.2
HP-2R7-J357UC LR	350	3	1.6	70	35	62	/
HP-2R7-J308UL LR	3000	0.29	0.25	570	60	140	/
HP-2R7-J308UM LR	3000	0.29	0.25	570	60	140	/
HP-2R7-J354UY LL	0.35	1200	600	0.6	5	11	2
HP-2R7-J504VY LL	0.5	1200	600	0.6	6.3	13	2.5
HP-2R7-J704VY LL	0.7	1200	600	1.5	8	13	3.5
HP-2R7-J105VY LL	1	1200	600	1.5	8	13	3.5
HP-2R7-J205VY LL	2	500	250	2	8	20	3.5
HP-2R7-J335TY LL	3.3	500	250	1.8	8	20	3.5
HP-2R7-J335TY LL	3.3	500	250	1.8	8	24	3.5
HP-2R7-J335VY LL	3.3	400	200	1.8	10	20	5
HP-2R7-J475VY LL	4.7	240	120	3.1	12.5	21	5
HP-2R7-J805UY LL	8	200	100	4	12.5	21	5
HP-2R7-J106UY LL	10	160	80	4.4	12.5	26	5
HP-2R7-J106UY LL	10	120	60	6.2	12.5	34	5

Model	C (F)	ESR (mΩ)		W(g)		
		DC	AC			
HP-3R0-J105VY	1	300	200	8	13	3.5
HP-3R0-J205VY	2	150	100	8	20	3.5
HP-3R0-J335VY	3.3	105	70	8	20	3.5
HP-3R0-J475VY	4.7	90	60	10	20	5
HP-3R0-J505VY	5	60	40	8	25	3.5
HP-3R0-J106VY	10	52.5	35	10	25	5
HP-3R0-J106VY	10	37.5	25	10	30	5
HP-3R0-J106VY	10	60	40	12.5	21	5
HP-3R0-J156VY	15	45	30	12.5	26	5
HP-3R0-J256VY	25	30	20	16	26	7.5
HP-3R0-J506VY	50	22.5	15	18	42	7.5
HP-3R0-J606VY	60	22.5	15	18	42	7.5
HP-3R0-J107UY	100	12	8	22	45	10
HP-3R0-J367UY	360	4.8	3.2	35	62	10
HP-3R0-J507UY	500	4.5	3.0	35	82	22

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HYBRID CAPACITOR.

型　号	电压 V	容量 (F)	容量 (mAh)	最大内阻 (mΩ) 交流 1kHz	自放电 (720h)	产品尺寸 mm		
						直径 D	高度 H	脚距 P
HBA-3R8-J156F-TYJ0813	3.8	15	5	500	3.3V	8	13	3.2
HBA-3R8-J206MYJ07	3.8	20	8.6	400	3.3V	8	20	3.2
HBA-3R8-J306TYJ07	3.8	30	10	250	3.3V	8	20	3.2
HBA-3R8-J306TYJ36	3.8	30	10	200	3.3V	10	16.5	4.8
HBA-3R8-J406F-MYJ1020	3.8	40	13	250	3.3V	10	20	4.8
HBA-3R8-J706F-TYJ1025	3.8	70	23	300	3.3V	10	25	4.8
HBA-3R8-J706F-TYJ1030	3.8	70	23	200	3.3V	10	30.5	4.8
HBA-3R8-J806F-TYJ1221	3.8	80	26	200	3.3V	12.5	21.5	5
HBA-3R8-J107F-TYJ1221	3.8	100	33	100	3.3V	12.5	21.5	5
HBA-3R8-J127F-TYJ1221	3.8	120	40	100	3.3V	12.5	21.5	5
HBA-3R8-J137F-TYJ1620	3.8	130	43	200	3.3V	16	20	7.5
HBA-3R8-J207F-TYJ1841	3.8	200	70	100	3.3V	18	41	7.5
HBA-3R8-J407F-TYJ1841	3.8	400	130	80	3.3V	18	41	7.5
HBA-3R8-J288F-RYJ3554	3.8	2800	930	15	3.3V	35	52.9	10
HBA-3R8-J568F-TNJ3596	3.8	5600	1800	10	3.3V	35	96	12.7

型号	容量 F	最大阻抗 mΩ		72h 漏电流 μA	最大能量 Wh	最大功率 W	产品尺寸 mm		
		直流	交流 1kHz				直径 D	高度 H	脚距 P
HBM-2R3-J805F-RYJ0816	8	600	200	25	0.0059	2.4	8	16	3.5
HBM-2R3-J106F-RYJ0820	10	400	150	30	0.0073	3.7	8	20	3.5
HBM-2R3-J156F-RYJ1020	15	250	100	50	0.0110	5.5	10	20	5
HBM-2R3-J206F-RYJ1025	20	150	80	60	0.0147	9.8	10	25	5
HBM-2R3-J256F-RYJ1030	25	150	80	70	0.0184	9.8	10	30	5
HBM-2R3-J356F-RYJ1225	35	150	60	80	0.0257	12.2	12.5	25	5
HBM-2R3-J656F-RYJ1234	50	150	60	90	0.0367	14	12.5	34	5
HBM-2R3-J606F-RYJ1626	65	120	50	100	0.0478	9.8	16	26	7.5
HBM-2R3-J117F-RYJ1634	110	70	40	150	0.0808	24.5	16	34	7.5
HBM-2R3-J137F-RYJ1834	130	70	40	220	0.0955	27.2	18	34	7.5
HBM-2R3-J157F-RYJ1841	150	70	40	250	0.1102	24.5	18	41	7.5
HBM-2R3-J257F-RYJ2239	250	70	50	750	0.1837	49	22	39	10
HBM-2R3-J307F-RYJ2246	300	40	20	750	0.2204	29.4	22	46	10
HBM-2R3-J357F-RYJ2540	350	40	20	850	0.2571	49	25	40	10
HBM-2R3-J607F-RYJ3050	600	35	20	1800	0.4408	73.5	30	50	10
HBM-2R3-J907F-RYJ3561	900	18	10	2500	0.6613	49	35	61	10
HBM-2R3-J168F-RYJ3580	1600	20	15	4500	1.1756	61.2	35	80	10
HBM-2R3-J308F-RNJ5171	3000	15	10	6500	2.2042	122.5	51	71	22

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HYBRID CAPACITOR.

MK Series： Moudle

Characteristics: Increase the use voltage of the product by connecting the supercapacitor cells in series to form a module product through advanced processes and components.。

Series specification sheet:

Power terminal voltage	Rated rageV$_R$	Surge voltage	Capacitance range	Operating temperature range	Life time
3.3~5V	5.4V	5.4V	10~200F	-40 ~ +65℃	Normal temperature cycle life: at 25℃, cycle 50,000 times between VR to 1/2 VR, capacity attenuation ≤ 30%, internal resistance change ≤ 3 times. High temperature endurance life: at 60℃, keep rated voltage for 1000 hours. Capacity attenuation ≤ 30%, internal resistance change ≤ 3 times
6~7.5V	8V	8.1V	6~133F		
9V	10V	10.8V	0.5~117F		
12V	12.5V	12.5	4~80F		
	13.5V	13.5V	4~80F		
	15V	15V	3~500F		
	16V	16.2	3~500F		
24V	27V	27	2~300F		
	30V	32	1~250F		
48V	48V	48.6	1~165F		
	50V	54	1~150F		
	60V	64	1~125F		
100V	100V	105	1~75F		
120V	125V	130	1~62F		

END