KB125 12V5Ah

Kaise Battery series are Top terminal VRLA AGM battery for General use. With advanced manufacturing technique and industry scale, KB series delivers high energy density and high reliability performance, highly suited for UPS systems, security and alarm systems, telecommunication, utilities, emergency light systems, CATV and other backup applications.

12 V voltage | 5Ah capacity | AGM tech | 5 years design life

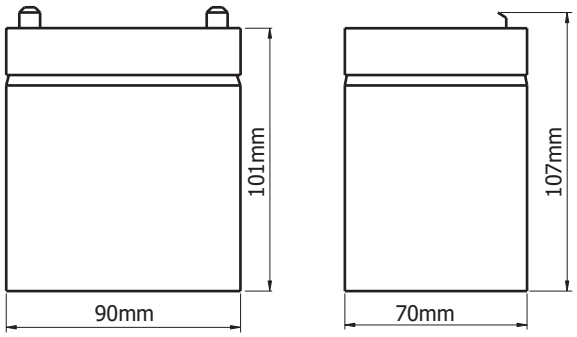
Technical Specifications

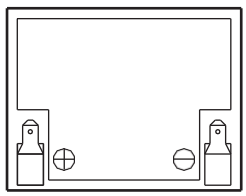
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (25°C)	5 Years
Nominal Capacity (25°C)	5Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L90 x W70 x H107
Approx. Weight	1.65kg (.364lbs)
Terminal Type	Fasten Tab F1
Internal Resistance	Approx. 0.025 Ohm (fully charged @ 25°C)
Max. Charge Current	1.5A
Max. Discharge Current (5S)	75A
Short Circuit Current	480A
Self Discharge	Approx. 2%□ per month @ 20°C
Ambient Temperature	Discharge: -20~55°C Charge: -20~50°C Storage: -20~45°C
Float Charge Voltage	13.6 V @25°C (-3mV/cell/ C)
Equalize and cycle Use Charge Voltage	14.1V @ 25°C
Container Material	ABS (UL94-V0 optional)

Complied standards

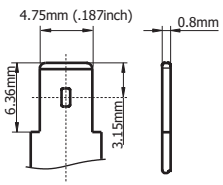
- IEC 60896-21/22
- GB/T19638
- JIS C8704
- BS6290 part 4

Battery Dimensions





TERMINAL F1



Constant Current Discharge Characteristics: Amps (25°C)

F.V/Time	5 min	10min	15min	30min	1h	3h	4 h	5h	10h	20h
1.60 V	20. 0	12.4	9.48	5.64	3.29	1.39	1.09	0.90	0.50	0.265
1.67 V	18. 6	12.0	9.16	5.51	3.25	1.38	1.07	0.89	0.49	0.261
1.70 V	17. 3	11.5	8.93	5.42	3.20	1.37	1.06	0.88	0.48	0.256
1.75 V	15. 8	11.0	8.70	5.29	3.15	1.35	1.05	0.87	0.47	0.250
1.80 V	14. 1	10.4	8.49	5.20	3.08	1.33	1.04	0.86	0.46	0.245
1.85 V	12. 5	9.78	8.28	5.09	3.04	1.31	1.02	0.85	0.45	0.238

Constant Power Discharge Characteristics: W/Cell (25°C)

F.V/Time	5 min	10min	15min	30min	1h	3h	4 h	5h	10h	20h
1.60 V	35.3	22.3	17.3	10.4	6.13	2.63	2.06	1.71	0.96	0.515
1.67 V	33.2	21.8	16.8	10.2	6.09	2.62	2.05	1.70	0.95	0.509
1.70 V	31.2	21.1	16.6	10.1	6.04	2.61	2.04	1.69	0.94	0.504
1.75 V	28.8	20.4	16.3	10.0	5.99	2.60	2.03	1.68	0.93	0.496
1.80 V	26.1	19.5	16.1	9.90	5.92	2.59	2.02	1.67	0.92	0.488
1.85 V	23.5	18.6	15.8	9.80	5.89	2.58	2.02	1.66	0.91	0.479

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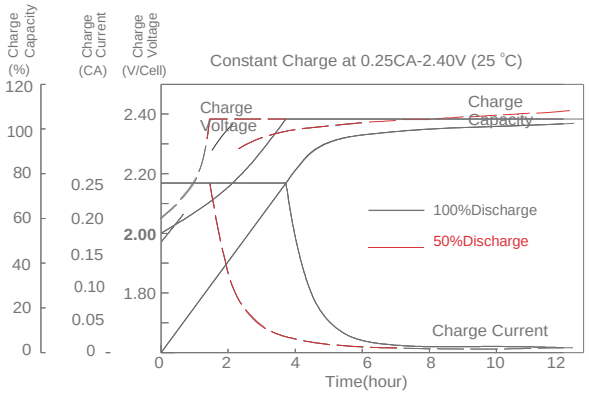
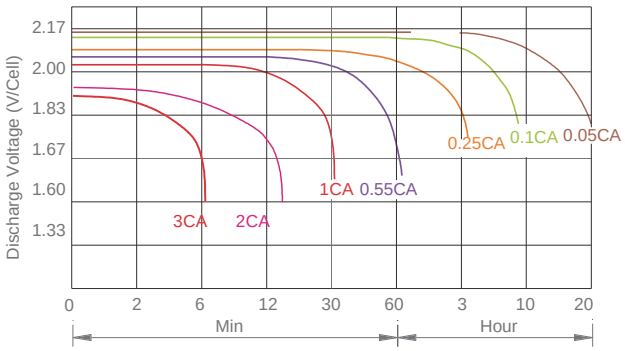
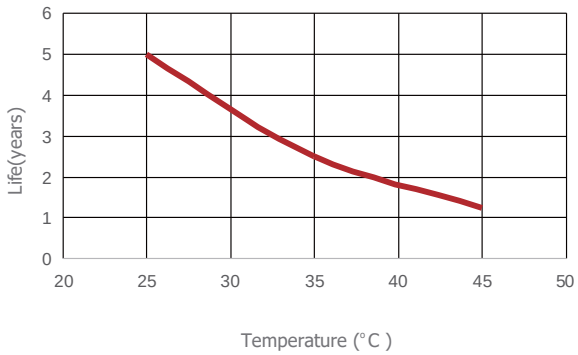
Charge Characteristic



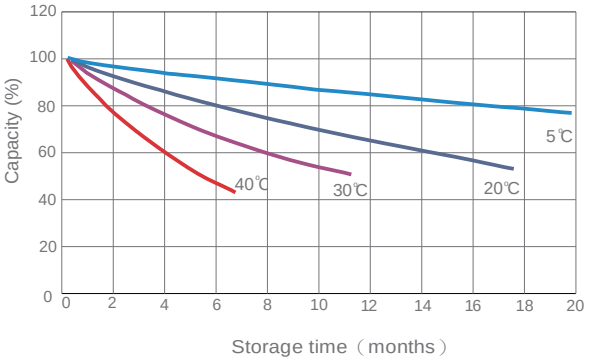
Discharge Characteristic (25°C)



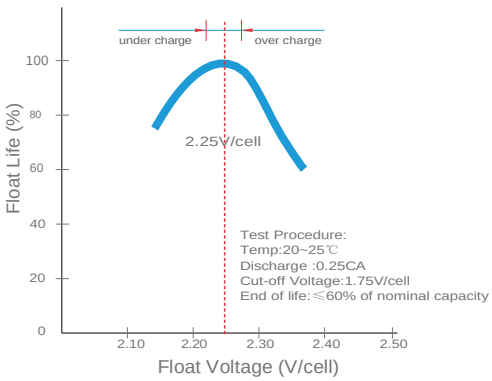
Temperature vs Float Life



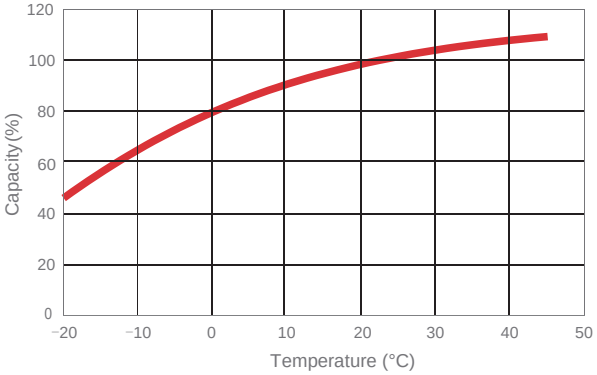
Self discharge characteristics



Float voltage vs Float life



Capacity vs Temperature



Final voltage settings recommended according to the discharge current

Discharge Current I (A)	I ≤ 0.08C	0.08C ≤ I < 0.2C	0.2C ≤ I < 0.6C	0.6C ≤ I < 1.0C	I ≥ 1.0C
Final of Voltage	≥ 1.85Vpc	≥ 1.80Vpc	≥ 1.75Vpc	≥ 1.70Vpc	≥ 1.60Vpc

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