KB1212 12V 12Ah

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

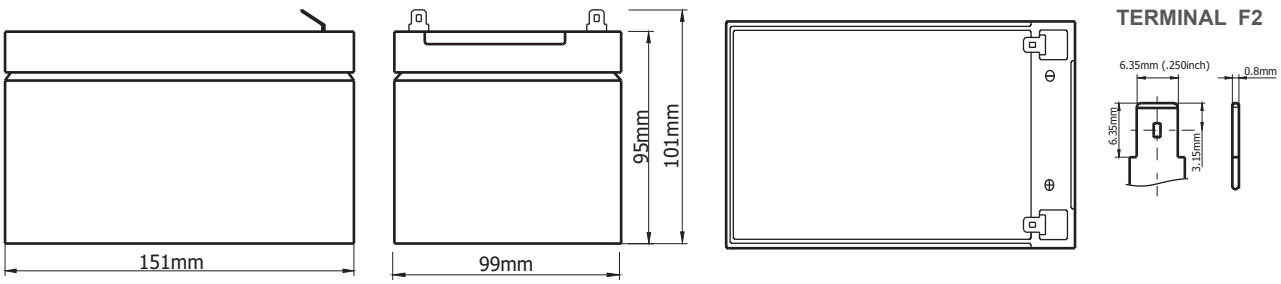
Technical Specifications

Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (25°C)	5 Years
Nominal Capacity (25°C)	12 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L151 x W99 x H101
Approx. Weight	3.68 kg (8.11 lbs)
Terminal Type	Fasten Tab F2
Internal Resistance	Approx. 0.019 Ohm (fully charged @ 25°C)
Max. Charge Current	3.6A
Max. Discharge Current (5S)	180A
Short Circuit Current	630A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -20~55°C Charge: -20~50°C Storage: -20~45°C
Float Charge Voltage	13.6 @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



Constant Current Discharge Characteristics: Amps (25°C)

F.V/Time	5min	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60V	48.1	29.8	22.8	13.5	7.90	3.34	2.61	2.16	1.19	0.64
1.67V	44.7	28.8	22.0	13.2	7.80	3.31	2.57	2.13	1.17	0.63
1.70V	41.5	27.6	21.4	13.0	7.68	3.28	2.54	2.10	1.16	0.61
1.75V	37.8	26.3	20.9	12.7	7.55	3.24	2.52	2.08	1.15	0.60
1.80V	33.9	24.9	20.4	12.5	7.39	3.19	2.49	2.05	1.13	0.59
1.85V	30.0	23.5	19.9	12.2	7.28	3.16	2.46	2.03	1.12	0.57

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

F.V/Time	5min	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60V	84.7	53.6	41.5	25.0	14.7	6.31	4.96	4.11	2.30	1.23
1.67V	79.7	52.3	40.4	24.6	14.6	6.28	4.91	4.09	2.28	1.22
1.70V	74.8	50.6	39.7	24.3	14.5	6.27	4.89	4.07	2.27	1.21
1.75V	69.1	48.9	39.1	24.0	14.4	6.26	4.88	4.04	2.26	1.19
1.80V	62.7	46.7	38.6	23.8	14.2	6.22	4.86	4.03	2.25	1.17
1.85V	56.4	44.6	38.0	23.5	14.1	6.20	4.85	4.02	2.24	1.15

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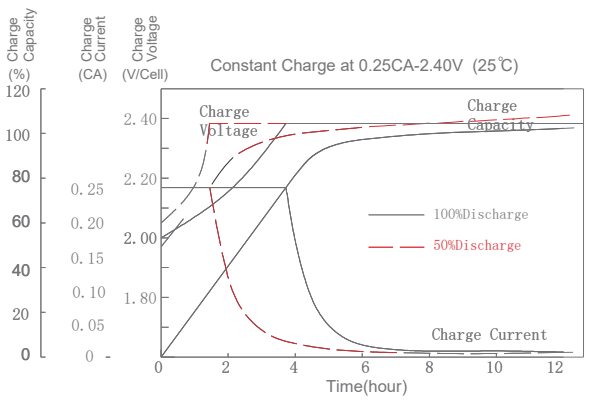
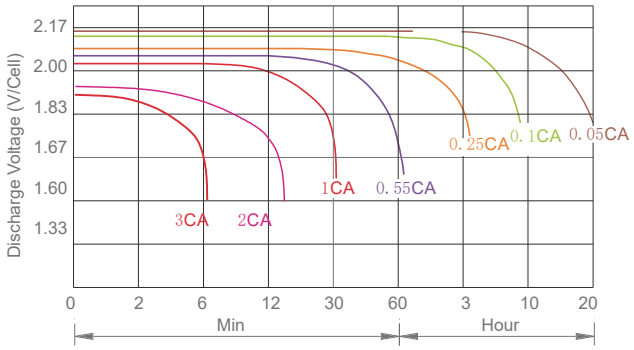
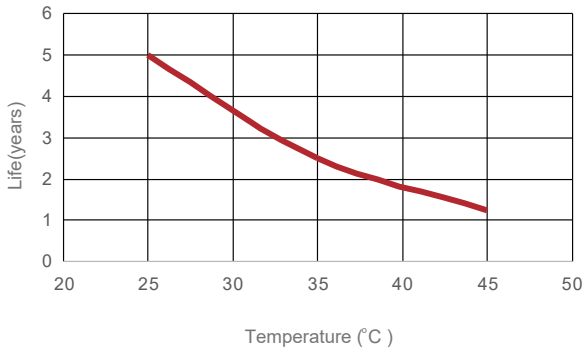
Charge Characteristic



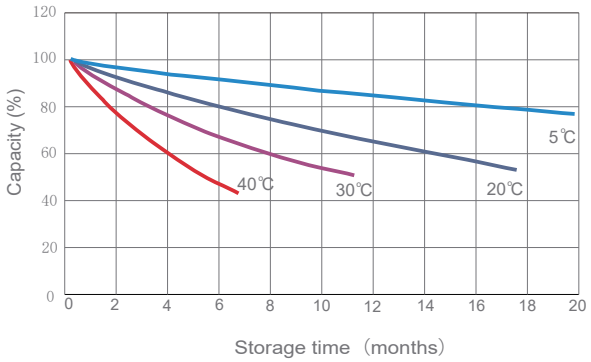
Discharge Characteristic (25°C)



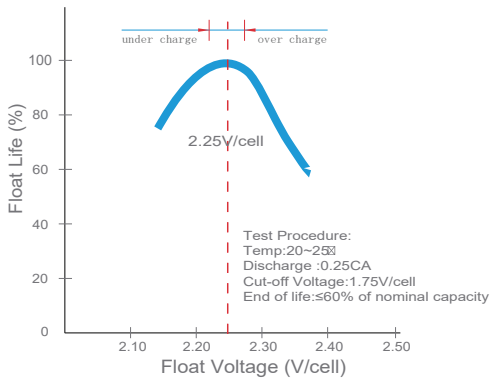
Temperature vs Float Life



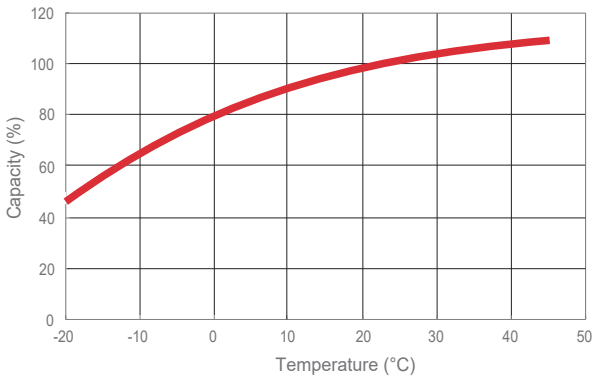
Self discharge characteristics



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