KB1212 12V 1.2Ah

The KB Standard series consists in VRLA batteries with AGM technology (Absorbent Glass Material), with a design life of 3-5 years and are designed for general applications such as UPS, telecommunications and electrical applications.



Performance Characteristics

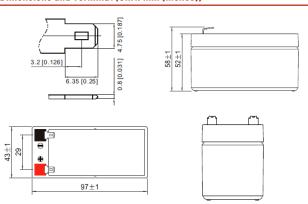
Nominal Voltage 12	2V					
Dimensions Le	ength (mm / inch)	97 / 3.82				
	idth (mm / inch)	43 / 1.69				
	eight (mm / inch)	52 / 2.04				
	otal Height (mm / inch)	58 / 2.28				
Approx Weight (K	ig / lbs)	0.57 / 1.26				
Design Life 5	years					
Terminal F1						
Container Material AE	, ,					
Rated Capacity 1		20hr, 1.80V / cell, 25°C / 77°F)				
1.		10hr, 1.80V / cell, 25°C / 77°F)				
1.	01Ah / 0.202A	(5hr, 1.75V / cell, 25°C / 77°F)				
	728Ah / 0.728A	(1hr, 1.60V / cell, 25°C / 77°F)				
	3A (5s)					
	oprox 90mΩ					
	Discharge : -20 ~ 60°C (-4 ~140°F)					
	narge : -10 ~ 60°C (14 ~ 14					
	orage : -20 ~ 60°C (-20 ~ 1	140°F)				
	5 ± 3°C (77 ± 5°F)					
	itial Charging Current less					
Vo	oltage: 14.4V ~ 14.7V at 25°C	(77°F)				
Te	emp. Coefficient: -30mV/ºC					
	itial Charging Current less					
Vo	oltage: 13.5V ~ 13.8V at 25°C	(77°F)				
	emp. Coefficient: -20mV/ºC					
Capacity affected by Temperature 40	0°C (104°F)	103%				
25	5ºC (77ºF)	100%				
0	°C (32°F)	86%				
Self Discharge Fu	ılly charged Kaise Standard	Series batteries may be				
	stored for up to 6 months at 25°C (77°F) and then a					
	freshening charge is required. For higher temperatures the					
and the second s	me interval will be shorter.					

Discharge Constant Current (Amperes) at 77°F (25°C)

Volts/ cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	2.83	1.92	1.54	1.02	0.624	0.284	0.196	0.112	0.060
1.75V	3.36	2.17	1.69	1.09	0.656	0.294	0.202	0.114	0.061
1.70V	3.81	2.39	1.83	1.14	0.684	0.303	0.207	0.116	0.062
1.65V	4.20	2.57	1.94	1.19	0.713	0.311	0.211	0.117	0.063
1.60V	4.41	2.68	2.02	1.23	0.728	0.318	0.216	0.119	0.063



Dimensions and Terminal (Unit: mm (inches))



Applications

Alarm systems Marine equipment Cable television Medical equipment Communications Equipment Micro processor based office machines Portable cine & Video lights Control Equipment Computers Solar powered systems Electronic Cash Registers Telecommunications systems Electric Test Equipment Television & Video recorders Emergency lighting systems Uninterruptible power supply systems Fire & Security Vending machines Geophysical equipment

Certifications

ISO 9001:2008 ISO 14001:2008





Discharge Current vs. Discharge Voltage

Final discharge voltage V/CELL	1,8	1,75	1,7	1,6	
Discharge current (A)	l ≤ 0,1CA	0.25CA ≥ I > 0.1CA	0.55CA ≥ I > 0.25CA	I > 0.55CA	

Discharge Constant Power (Watts per cell) at 77°F (25°C)

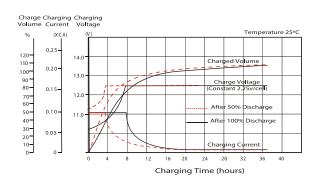
Volts/ cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.80V	5.28	3.61	2.93	1.98	1.51	1.22	0.741	0.560	0.390
1.75V	6.18	4.05	3.20	2.10	1.59	1.28	0.768	0.577	0.399
1.70V	6.93	4.42	3.43	2.19	1.64	1.33	0.796	0.592	0.406
1.65V	7.54	4.69	3.59	2.26	1.70	1.37	0.814	0.604	0.413
1.60V	7.79	4.82	3.70	2.30	1.72	1.39	0.834	0.615	0.419

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

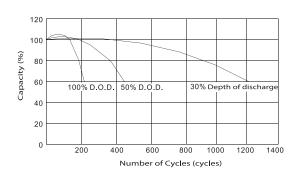
KB1212 12V 1.2Ah



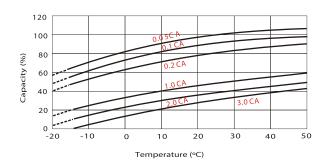
Charging Characteristics (float use)



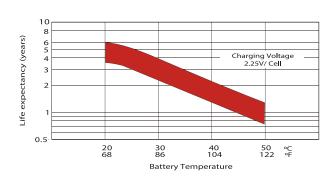
Cycle Life in Relation to Depth of Discharge



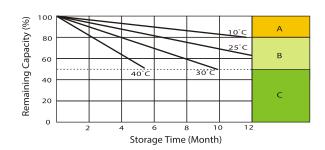
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



A No supplementary charge required (carrry out supplementary charge before use if 100% capacity is required)

B Supplementary charge required before use . Optional charging way a below:
1. Charged for above 3 days at limited current 0.25 CA and constant voltage 2.25V / cell.

2. Charged fo above 20 hours limited current 0.25CA and constant voltage 2.45V / cell.

3. Charged for 8-10 hours ar limited current 0.05 CA.

Supplementary charge often fail to recover the capacity.
The battery should never be left standing till this is reached.

IMPORTANT NOTE: The specifications presented herein are subject to revision without notice.