

KB1290 12V 9.0Ah



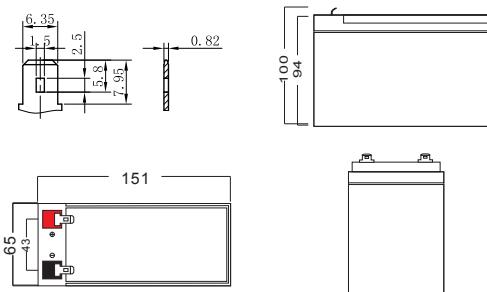
The KB Standard series consists in VRLA batteries - AGM technology (Absorbent Glass Mat), with a design life of 3-5 years and it is designed for general applications such as UPS, telecommunications and electrical applications.



Performance Characteristics

Nominal Voltage	12V		
Dimensions	Length (mm / inch)	151±2 / 5.95	
	Width (mm / inch)	65±1 / 2.56	
	Height (mm / inch)	94±1 / 3.70	
	Total Height (mm / inch)	100±1 / 3.94	
Approx Weight	(Kg / lbs)	2.50 / 5.52	
Design Life	5 years		
Terminal	F2		
Container Material	ABS		
Rated Capacity	9.00Ah / 0.450A 6.99Ah / 2.33A 5.94Ah / 5.94A	(20hr, 1.75V / cell, 25°C / 77°F) (3hr, 1.75V / cell, 25°C / 77°F) (1hr, 1.60V / cell, 25°C / 77°F)	
Max. Discharge Current	135A (5s)		
Internal Resistance	Approx 20.0mΩ		
Operating Temp. Range	Discharge : -20 ~ 50°C (-4 ~ 122°F) Charge : -20 ~ 50°C (-4 ~ 122°F) Storage : -20 ~ 50°C (-4 ~ 122°F)		
Charge Current	Max. 2.25A		
Cycle Use	Voltage: 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient: -30mV/°C		
Standby Use	Voltage: 13.5V ~ 13.8V at 25°C (77°F) Temp. Coefficient: -18mV/°C		
Capacity affected by Temperature	40°C (104°F) 25°C (77°F) 0°C (32°F)	103% 100% 86%	
Self Discharge	Fully 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 time interval will be shorter.		

Dimensions and Terminal (Unit: mm (inches))



Applications

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

Certifications

ISO 9001:2008 ISO 14001:2008



Discharge Current vs. Discharge Voltage

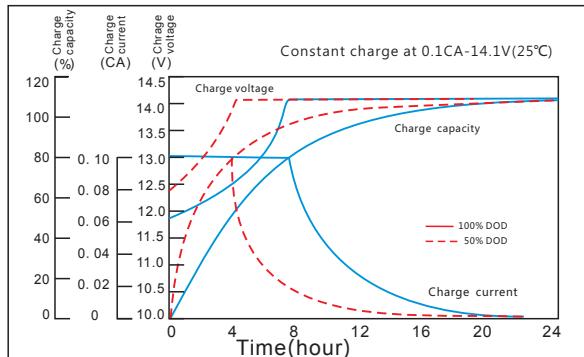
Final discharge voltage V/CELL	1,8	1,75	1,7	1,6
Discharge current [A]	$I \leq 0,1CA$	$0,25CA \geq I > 0,1CA$	$0,55CA \geq I > 0,25CA$	$I > 0,55CA$

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

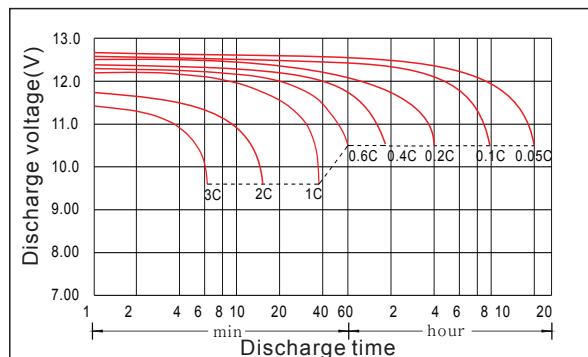
Volts/cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	45.9	36.2	26.3	18.7	9.51	4.31	2.91	1.61	0.887
1.75V	51.2	37.4	27.5	18.8	9.65	4.43	2.99	1.64	0.893
1.70V	56.4	38.6	28.5	19.0	9.93	4.49	3.05	1.68	0.912
1.67V	61.7	39.8	29.9	19.1	10.2	4.56	3.14	1.69	0.920
1.60V	66.9	42.0	31.8	19.2	10.9	4.70	3.20	1.73	0.945

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

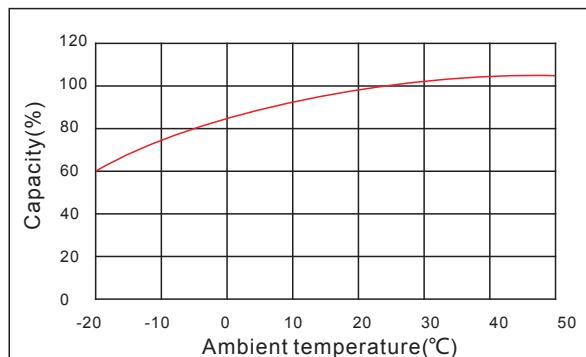
Charging Characteristics



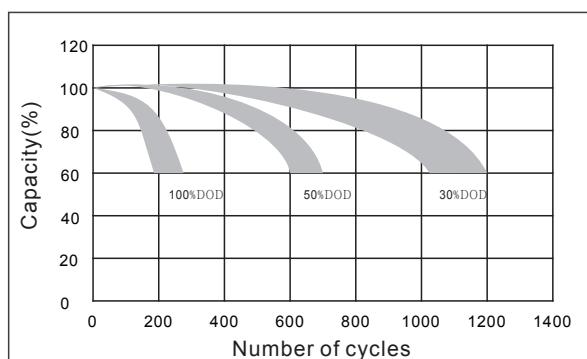
Discharge Characteristics



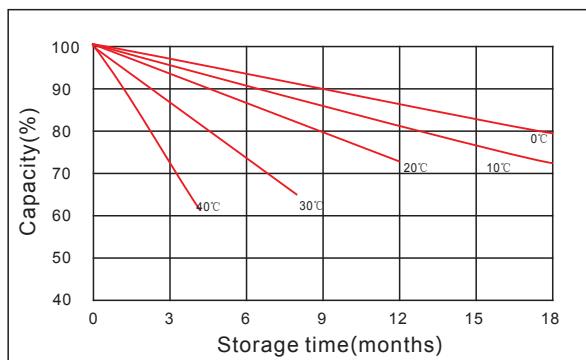
Temperature Effects in Relation to Battery Capacity



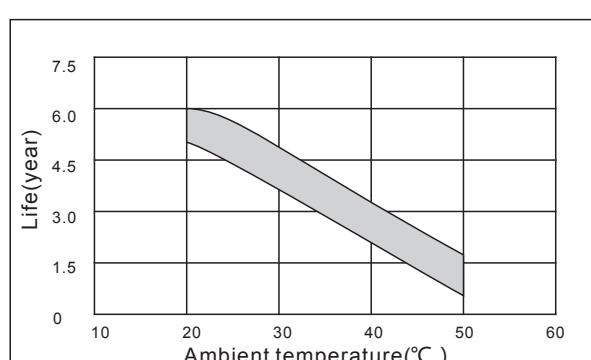
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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

