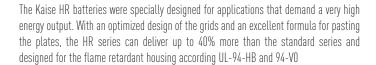
KBHR1290 12V 9.0Ah





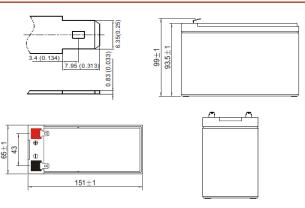
	4.014		
Nominal Voltage	12V	454 / 5 05	
Dimensions	Length (mm / inch)	151 / 5.95	
	Width (mm / inch)	65 / 2.56	
	Height (mm / inch)	93.5 / 3.68	
	Total Height (mm / inch)	99 / 3.90	
Approx Weight	(Kg / lbs)	2.66 / 5.87	
Design Life	5 years		
Terminal	Faston F2		
Container Material	ABS		
Rated Capacity	33.6Watts / cell	(15min, 1.60V / cell, 25°C / 77°F)	
	8.60Ah	(20hr, 1.80V / cell, 25°C / 77°F)	
Max. Discharge Current	129A (5s)		
Internal Resistance	Approx 19mΩ		
Operating Temp. Range	Discharge : -15 ~ 55°C (5 ~ 131°F)		
	Charge : 0 ~ 40°C (32 ~ 1)	04ºF)	
	Storage : -15 ~ 40°C (5 ~		
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)		
Cycle Use	ss than 1.80A		
	Voltage: 14.4V ~ 14.7V at 25°C (77°F)		
	Temp. Coefficient: -30mV/ºI	<u>D</u>	
Standby Use	Initial Charging Current le	ss than 1.80A	
,	13.5V ~ 13.8V at 25°C (77° I	-)	
	Temp. Coefficient: -20mV/º(
Capacity affected by Temperature	40°C (104°F)	103%	
, , , , ,	25°C (77°F)	100%	
	0°C (32°F)	86%	
Self Discharge	Fully charged Kaise High Rate Series batteries may be		
, and the second	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 short	0 1	
Flame Retardant	07 V0 / ADC. III 07 IID		
ramo notaramit	94-V0 / ABS: UL-94-HB		

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

Volts/cell	10min	15min	20min	30min	1h
1.80V	20.9	16.2	13.2	9.65	5.43
1.75V	22.1	17.2	13.9	10.0	5.61
1.70V	23.3	18.0	14.3	10.4	5.75
1.60V	25.0	18.9	15.1	10.9	5.96



Dimensions and Terminal (Unit: mm (inches))



Applications

UPS High power backup supply Electric facilities Power tools

Certifications

ISO 9001:2008 ISO 14001:2008



Discharge Current vs. Discharge Voltage

Final dis voltage \		1,8	1,75	1,7	1,6
Discharge (A)	current	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)

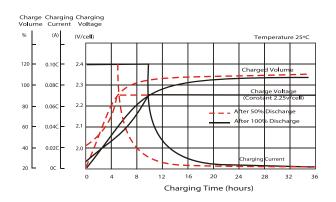
Volts/cell	10min	15min	20min	30min	1h
1.80V	38.4	30.1	24.7	18.2	10.4
1.75V	40.1	31.6	25.7	18.8	10.7
1.70V	41.8	32.6	26.3	19.4	10.9
1.60V	43.6	33.6	27.2	20.0	11.2

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

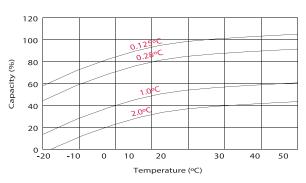
KBHR 1290 12V 9.0Ah



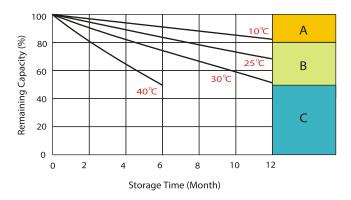
Charging Characteristics (cycle use)

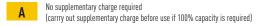


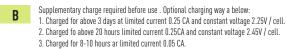
Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics

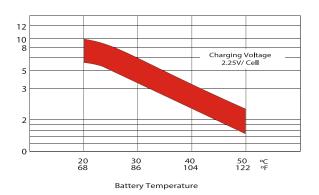






Supplementary charge often fail to recover the capacity.
The battery should never be left standing till this is reached.

Effect of Temperaure on Long Term Float Life



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