

KBHR1260 12V 6,5Ah



The Kaise HR batteries were specially designed for applications that demand a very high energy output. With an optimized design of the grids and an excellent formula for pasting the plates, the HR series can deliver up to 40% more than the standard series.



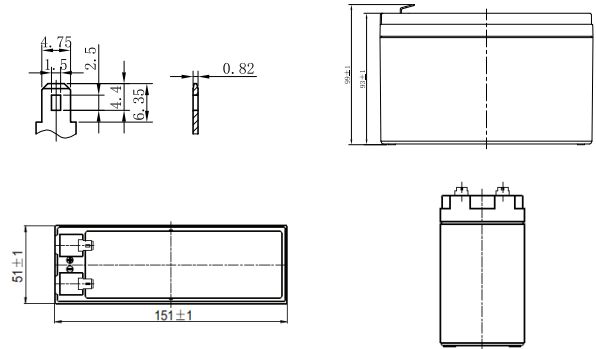
Performance Characteristics

Nominal Voltage	12V	
Dimensions	Length (mm / inch)	151 / 5.94
	Width (mm / inch)	51 / 2.01
	Height (mm / inch)	93 / 3.66
	Total Height (mm / inch)	99 / 3.90
Approx Weight	(Kg / lbs) 1.82 / 4.01	
Design Life	6-8 years	
Terminal	F1	
Container Material	ABS (UL94 HB or V-0 optional)	
Rated Capacity	6.50Ah / 0.325A	(20hr, 1.75V / cell, 25°C / 77°F)
	4.01Ah / 4.01A	(1hr, 1.70V / cell, 25°C / 77°F)
	3.39Ah / 6.79A	(30min, 1.70V / cell, 25°C / 77°F)
	2.90Ah / 11.6A	(15min, 1.70V / cell, 25°C / 77°F)
Internal Resistance	Approx. 25mΩ	
Operating Temp. Range	Discharge : -20 ~ 55°C (-4 ~ 131°F)	
	Charge : -20 ~ 40°C (-4 ~ 104°F)	
	Storage : -15 ~ 50°C (5 ~ 122°F)	
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 1.50A	
	Voltage: 13.8V ~ 14.4V at 25°C (77°F)	
	Temp. Coefficient: -24mV/°C	
Standby Use	Initial Charging Current less than 1.50A	
	Voltage: 13.5V ~ 13.8V at 25°C (77°F)	
	Temp. Coefficient: -18mV/°C	
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 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.	

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

Volts/cell	5min	10min	15min	20min	30min	45min	1h
1.80V	20.9	14.1	10.9	8.84	6.45	4.71	3.86
1.75V	22.0	14.7	11.2	9.09	6.62	4.81	3.94
1.70V	23.1	15.3	11.6	9.35	6.79	4.92	4.01
1.67V	23.9	15.7	11.9	9.54	6.91	5.00	4.08
1.60V	25.3	16.4	12.3	9.83	7.09	5.13	4.17

Dimensions and Terminal (Unit: mm (inches))



Applications

UPS
High power backup supply
Electric facilities
Power tools

Certifications

ISO 9001 / ISO 14001



Discharge Current vs. Discharge Voltage

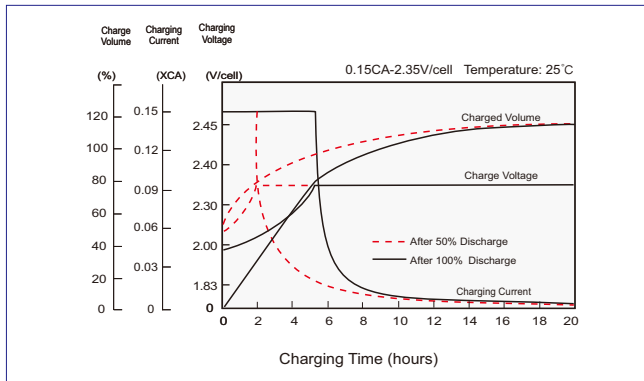
Final discharge voltage V/CELL	1.8	1.75	1.7	1.6
Discharge current (A)	I ≤ 0.1CA	0.25CA ≥ I > 0.1CA	0.55CA ≥ I > 0.25CA	I > 0.55CA

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

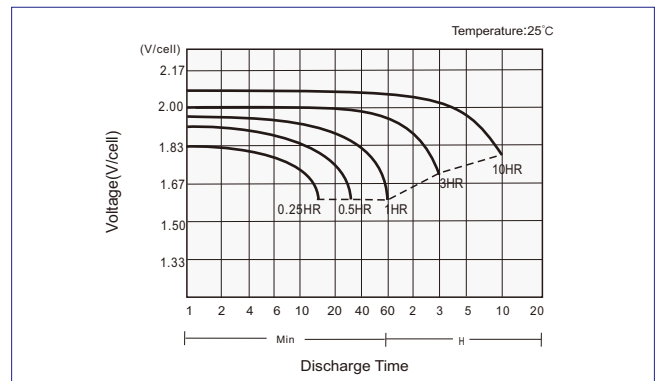
Volts/cell	5min	10min	15min	20min	30min	45min	1h
1.80V	39.2	26.7	20.7	16.9	12.4	9.11	7.49
1.75V	40.8	27.6	21.3	17.3	12.7	9.27	7.61
1.70V	42.3	28.5	21.8	17.7	12.9	9.44	7.73
1.67V	43.4	29.1	22.3	18.0	13.1	9.57	7.83
1.60V	45.2	30.0	22.9	18.5	13.4	9.75	7.97

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

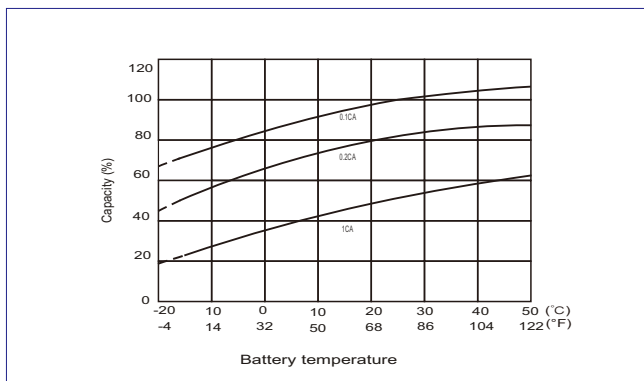
Charging Characteristics



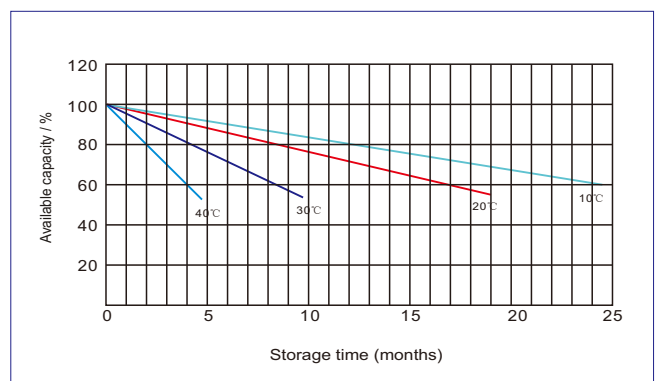
Discharge Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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

