

KBHR12260 12V 26Ah



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.



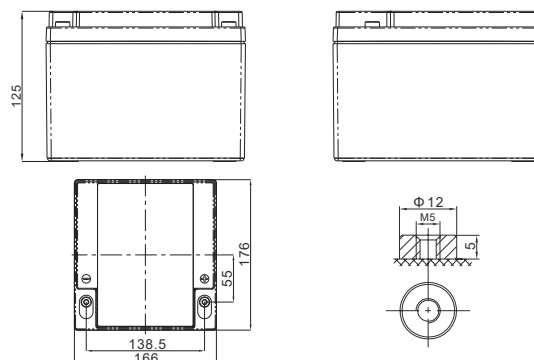
Performance Characteristics

Nominal Voltage	12V	
Dimensions	Length (mm / inch)	166 / 6.54
	Width (mm / inch)	176 / 6.93
	Height (mm / inch)	125 / 4.92
	Total Height (mm / inch)	125 / 4.92
Approx Weight	(Kg / lbs) 8.1 / 17.9	
Design Life	6-8 years	
Terminal	M5	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.	
Rated Capacity	C20	24.0Ah
	C10	22.6Ah
Max. Discharge Current	240A (5s)	
Internal Resistance	Approx 8mΩ	
Operating Temp. Range	Discharge: -20 ~ 60°C (-4~140°F)	
	Charge: 0 ~ 50°C (32~122°F)	
	Storage: -20 ~ 60°C (-4~140°F)	
Nominal Operating Temp. Range	25 ± 5°C	
Cycle Use	Initial Charging Current less than 7.20A.	
	Voltage: 14.6V ~ 14.8V at 25°C (77°F)	
	Temp. Coefficient: -4mV/°C/Cell	
Standby Use	Initial Charging Current less than 7.20A	
	Voltage: 13.7V ~ 13.9V at 25°C (77°F)	
	Temp. Coefficient: -3mV/°C/Cell	
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	10min	15min	20min	30min	1h
1.80V	55.01	45.20	36.35	26.37	15.14
1.75V	58.97	47.60	38.15	27.57	15.73
1.70V	62.93	50.40	40.15	28.77	16.28
1.67V	65.31	52.00	41.25	29.50	16.64
1.60V	70.85	55.60	43.70	31.14	17.46

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

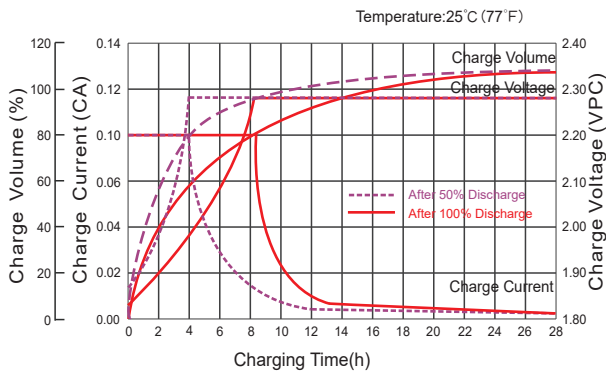
Final discharge voltage V/CELL	1.8	1.75	1.7	1.6
Discharge current (A)	$I \leq 0.1CA$	$0.25CA \geq I > 0.1CA$	$0.55CA \geq I > 0.25CA$	$I > 0.55CA$

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

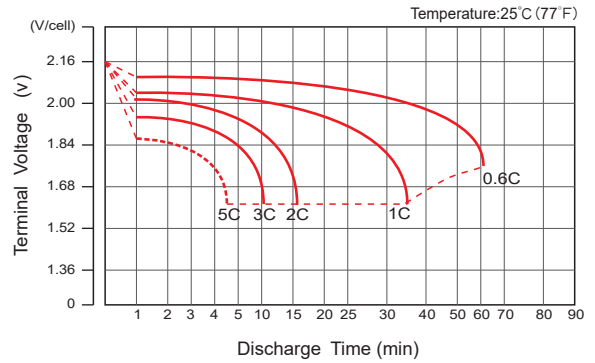
Volts/cell	10min	15min	20min	30min	1h
1.80V	104.1	85.60	69.43	50.68	29.29
1.75V	110.4	89.60	72.29	52.40	30.15
1.70V	116.4	94.00	75.15	54.11	31.01
1.67V	119.9	96.00	76.78	55.40	31.51
1.60V	128.2	101.6	80.46	57.55	32.74

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

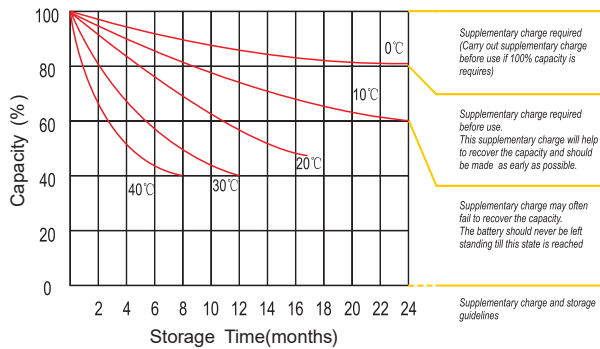
Charge Characteristic Curve For Standby Use



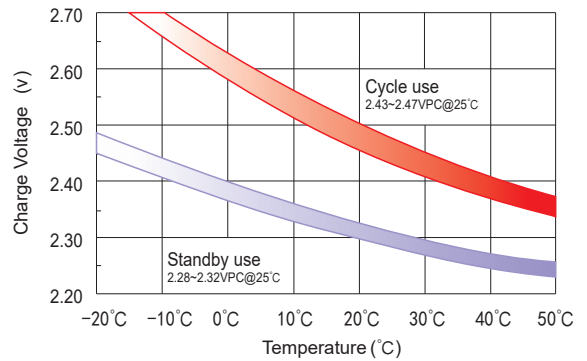
Discharge Characteristics Curve



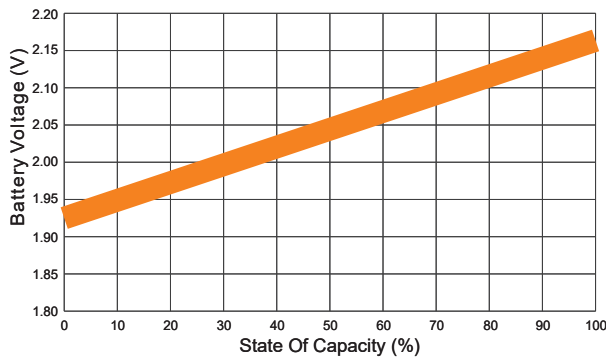
Storage Characteristics



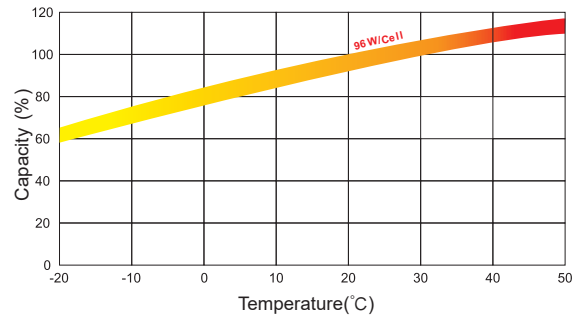
Relationship Between Charging Voltage And Temperature



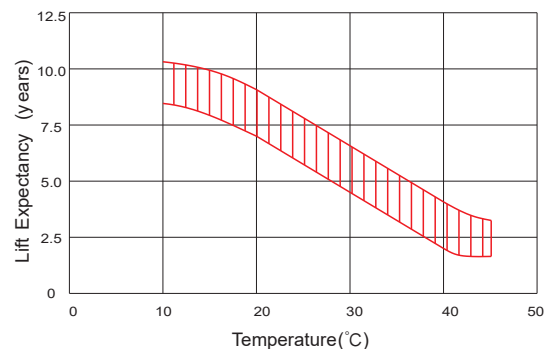
Relationship of OCV And State of Charge(20°C)



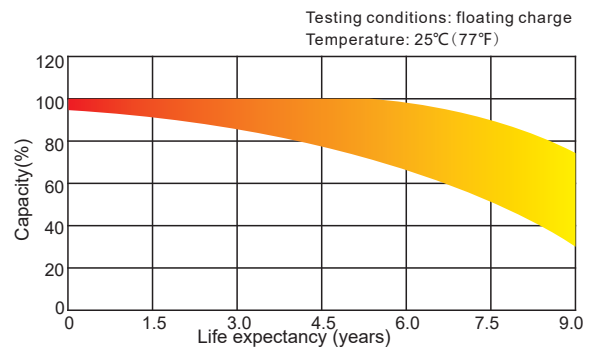
Temperature Effects On Capacity



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



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

2024/1/18

