

KBHR12350 12V 35Ah



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.

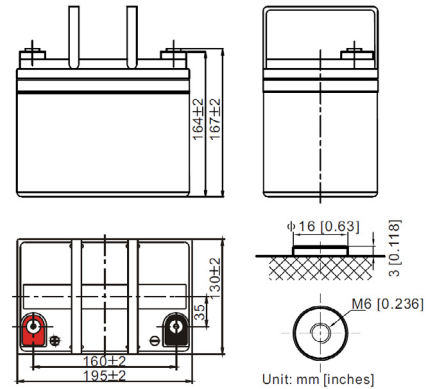
Performance Characteristics

Nominal Voltage	12V	
Dimensions	Length (mm / inch)	195 / 7.68
	Width (mm / inch)	130 / 5.12
	Height (mm / inch)	164 / 6.46
	Total Height (mm / inch)	167 / 6.57
Approx Weight	(Kg / lbs) 10.2 / 22.5	
Design Life	10 years	
Terminal	M6	
Container Material	ABS	
Rated Capacity	150.0Watts/cell	15min rate (1.67V/cell 25°C / 77°F)
	35AH	20hr (1.80V / cell, 25°C / 77°F)
Max. Discharge Current	630A (5s)	
Internal Resistance	Approx 7mΩ	
Operating Temp. Range	Discharge: -15 ~ 55°C (5~131°F)	
	Charge: 0 ~ 40°C (32 ~ 104°F)	
	Storage: -15 ~ 40°C (5 ~ 104°F)	
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 45.0A.	
	Voltage: 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient: -30mV/°C	
Standby Use	No limits on Initial Charging Current	
	13.5V ~ 13.8V at 25°C (77°F) Temp. Coefficient: -20mV/°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	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	160.2	127.1	80.1	47.4	18.7	12.2	6.85	3.59
1.75V	172.4	135.7	83.4	48.9	19.0	12.4	6.94	3.66
1.70V	183.3	142.9	86.3	49.9	19.3	12.5	7.03	3.70
1.65V	194.5	150.0	89.3	51.2	19.7	12.7	7.12	3.75
1.60V	203.4	155.2	92.2	51.7	20.0	13.0	7.21	3.81

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 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	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	82.7	65.2	40.7	23.8	9.31	6.02	3.35	1.75
1.75V	89.9	70.3	42.7	24.7	9.54	6.15	3.41	1.79
1.70V	96.6	74.9	44.6	25.5	9.7	6.27	3.48	1.82
1.65V	103.3	79.1	46.4	26.2	10.0	6.41	3.54	1.85
1.60V	109.2	82.7	48.4	26.8	10.2	6.58	3.62	1.90

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

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