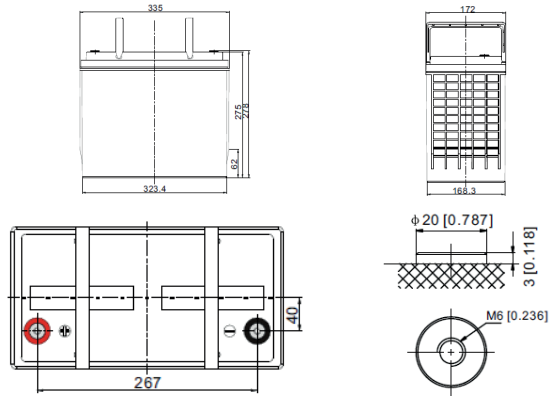
KBHR121550 12V 155Ah

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)	335±3mm / 13.19
	Width (mm / inch)	172±2mm / 6.77
	Height (mm / inch)	275±3mm / 10.83
	Total Height (mm / inch)	278±3mm / 10.94
Approx Weight	(Kg / lbs)	42.6 / 93.9
Design Life	12 years at 25ºC	
Terminal	M8	
Container Material	ABS	
Rated Capacity	102.0Ah / 102.0A	(1hr, 1.70V / cell, 25ºC / 77ºF)
	87.15Ah / 174.3A	(30min, 1.70V / cell, 25ºC / 77ºF)
	66.37Ah / 265.5A	(15min, 1.70V / cell, 25ºC / 77ºF)
Max. Discharge Current	2015A (5s)	
Internal Resistance	Approx 3.8mΩ	
Operating Temp. Range	Discharge: -15 ~ 50ºC (5~122ºF)	
	Charge: 0 ~ 40ºC (32 ~ 104ºF)	
	Storage: -15 ~ 40ºC (5 ~ 104ºF)	
Nominal Operating Temp. Range	25 ± 3ºC (77 ± 5ºF)	
Capacity affected by Temperature	40ºC (104ºF)	106%
	25ºC (77ºF)	100%
	0ºC (32ºF)	86%
Self Discharge	Fully charged Kaise High Rate Series batteries may be stored for up to 6 months at 25ºC (77ºF) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

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 Current (Amperes) at 77ºF (25ºC)

Volts/cell	10min	15min	20min	30min	1h	10h
1.80V	254.0	218.0	192.0	151.7	92.1	14.7
1.75V	284.1	241.7	207.9	162.8	97.3	15.0
1.70V	312.2	265.5	225.9	174.3	102.0	15.3
1.60V	372.2	305.0	253.4	191.1	109.5	15.9

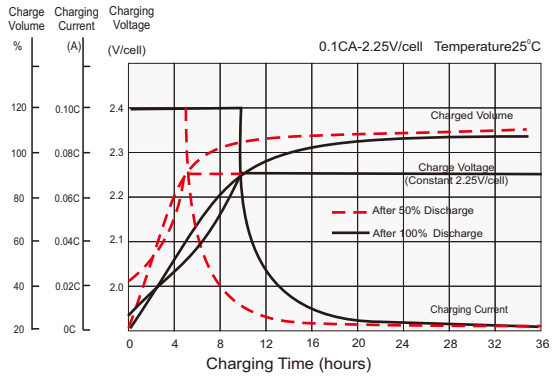
Discharge Constant Power (Watts per cell) at 77ºF (25ºC)

Volts/cell	10min	15min	20min	30min	1h	10h
1.80V	484.6	418.6	373.2	295.0	181.3	30.0
1.75V	534.9	459.8	400.9	314.2	190.2	30.4
1.70V	582.5	500.2	432.4	334.1	197.9	30.9
1.60V	672.8	559.7	471.1	356.4	207.5	31.3

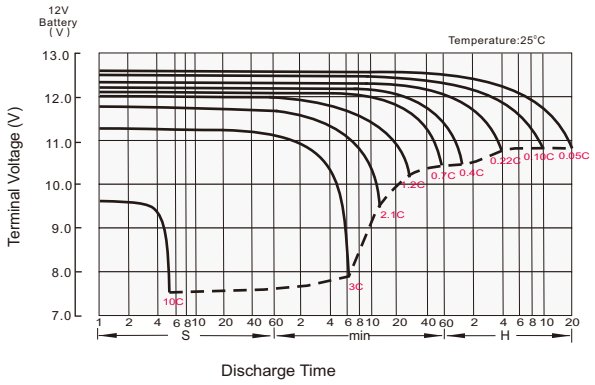
(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

KBHR121550 12V 155Ah

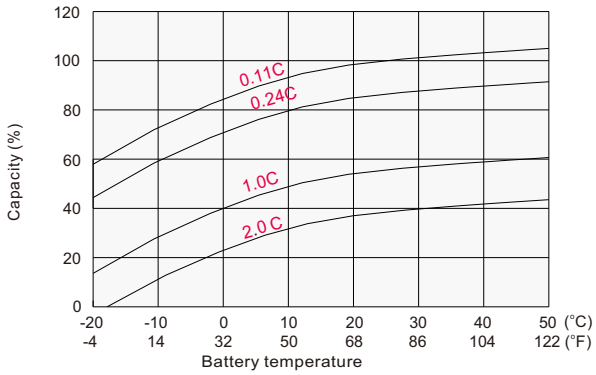
Charging Characteristics (cycle use)



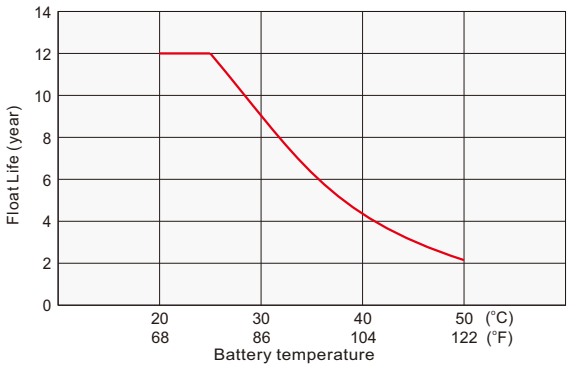
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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

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