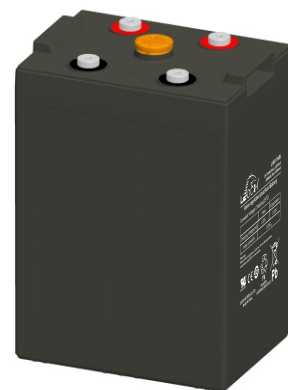


LHR Series High Rate

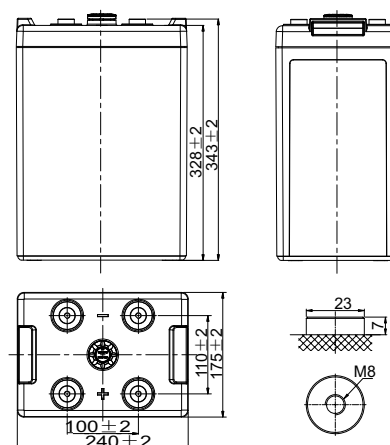
LHR1714W(2V1714W)

Specifications

Rated Voltage	2V	
Nominal Rate (W_{15} , 1.67V/cell)	1714W	
Nominal Capacity(C_{10} , 1.80V/cell)	600Ah	
Dimension	Length	300±2mm (11.81 inches)
	Width	175±2mm (6.89 inches)
	Container Height	330±2mm (12.99 inches)
	Total Height	345±2mm (13.58 inches)
Approx. Weight	37.2 Kg (80.01 lbs)	
Terminal	M8	
Container Material	ABS(UL94 V-0)	
Rated Capacity (25°C)	600.0 Ah	(10hr, 60.0A, 1.80V/cell)
	576.0 Ah	(8hr, 72.0A, 1.80V/cell)
	525.0 Ah	(5hr, 105.0A, 1.75V/cell)
	468.0 Ah	(3hr, 156.0A, 1.75V/cell)
	360.0 Ah	
Max. Discharge Current	4800A	
Internal Resistance (25°C)	Approx. 0.38mΩ	
Operating Temp. Range	Discharge	-20 ~ 55°C (4 ~ 131°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 50°C (5 ~ 122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Charging Current(25°C)	150.0A	
Charge voltage(25°C)	Float	2.25V
	Temp. Coefficient	-3mV/cell/°C
	Equalization	2.35~2.40V
Effect of temp. to Capacity	40°C (104°F)	106%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3%/month @ 25°C	



Layout



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	1273.8	718.0	601.1	523.7	428.3	338.6	296.4	227.9	184.6	140.4	112.9	95.3	67.2	56.3
1.80V/cell	1484.8	846.7	699.0	603.5	484.2	378.7	328.1	249.4	200.9	151.9	121.8	102.7	72.0	60.0
1.75V/cell	1620.4	907.8	739.4	633.2	506.2	394.1	340.2	257.8	207.0	156.0	124.8	105.0	73.3	61.0
1.70V/cell	1754.9	968.3	781.4	666.4	528.5	409.0	352.7	266.4	213.6	160.6	127.9	107.4	74.6	61.9
1.67V/cell	1832.2	1003.7	806.2	685.2	541.8	418.2	360.0	271.2	217.2	163.0	129.7	108.7	75.4	62.4
1.60V/cell	2019.6	1086.0	864.0	729.6	572.4	439.8	377.5	283.3	226.2	169.0	134.0	112.1	77.2	63.7

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	2576.8	1584.0	1330.9	1162.9	954.0	756.8	595.9	459.6	373.2	284.8	218.7	184.9	130.9	109.6
1.80V/cell	2958.5	1845.3	1531.6	1327.1	1069.7	840.0	655.0	499.9	403.9	306.9	234.9	198.5	139.8	116.8
1.75V/cell	3179.1	1954.7	1603.4	1379.1	1108.4	867.4	674.4	513.6	414.1	313.7	239.8	202.4	142.1	118.4
1.70V/cell	3386.9	2057.4	1675.5	1436.8	1146.8	893.3	694.3	527.8	425.1	321.4	245.0	206.4	144.3	120.1
1.67V/cell	3502.5	2116.1	1714.0	1468.1	1169.5	908.8	705.5	535.2	430.6	325.3	247.8	208.5	145.6	121.0
1.60V/cell	3763.1	2243.2	1807.7	1538.8	1219.8	945.7	732.9	554.5	445.3	335.4	254.7	214.0	148.6	123.3

LHR Series High Rate LHR1714W(2V1714W)

Applications

- UPS
- Hospitals & Testing Laboratories
- Emergency Power Supply
- Industrial Process Control Facilities
- Banks & Financial Markets
- Data & Network Operation Centers

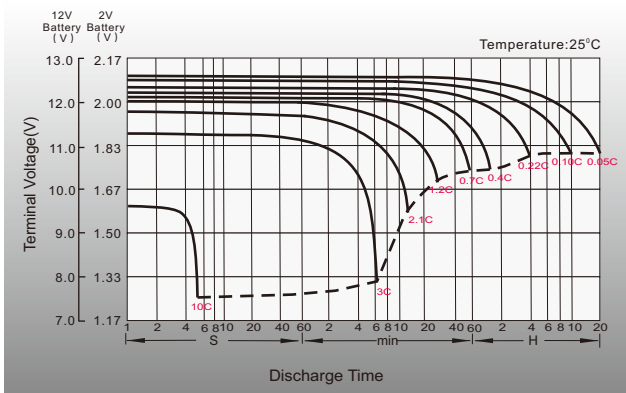
General Features

- ABS material: UL94 V-0
- Oxygen recombination efficiency: $\geq 98\%$
- High quality AGM separator: extend cycle life and prevent micro short circuit
- Unique vent valve design: reduce water losing and prevent air/spark going inside
- PbCaSn alloy for plate grids: less gassing, less self-discharging

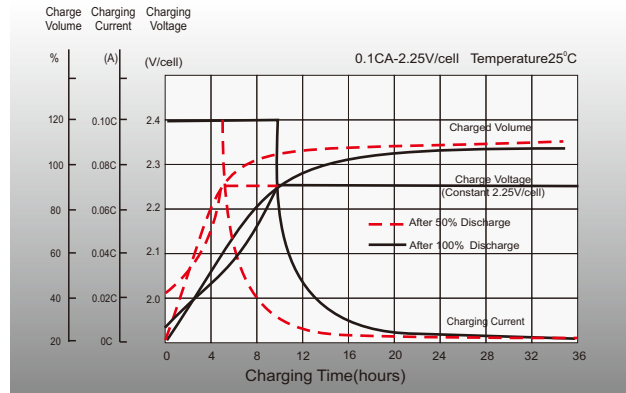
Standards

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE, UL Certified
- Manufactured in Leoben (AT) 16949, 14001, ISO 9001 and ISO 14001 certified production facilities

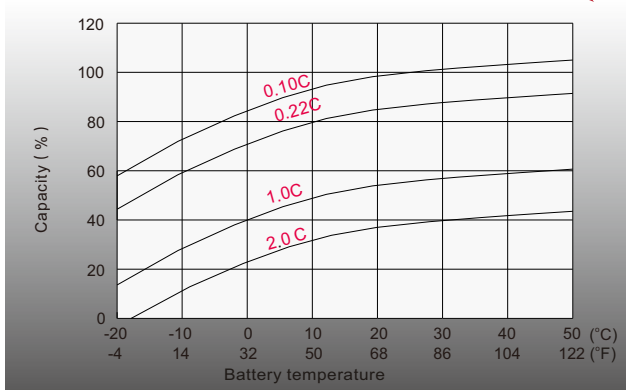
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life

