

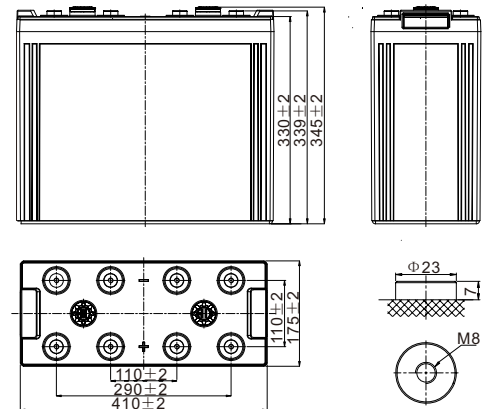
LHR Series High Rate LHR2372W(2V2372W)

Specifications

Rated Voltage	2V	
Nominal Rate ($W_{15}, 1.67V/cell$)	2372W	
Nominal Capacity($C_{10}, 1.80V/cell$)	800Ah	
Dimension	Length	410±2mm (16.14 inches)
	Width	175±2mm (6.89 inches)
	Container Height	330±2mm (12.99 inches)
	Total Height	345±2mm (13.58 inches)
Approx. Weight	52.9 Kg (116.63 lbs)	
Terminal	M8	
Container Material	ABS(UL94 V-0)	
Rated Capacity (25°C)	800.0 Ah	(10hr, 80.0A, 1.80V/cell)
	768.0 Ah	(8hr, 96.0A, 1.80V/cell)
	700.0 Ah	(5hr, 140.0A, 1.75V/cell)
	624.0 Ah	(3hr, 208.0A, 1.75V/cell)
	480.0 Ah	
Max. Discharge Current	6400A	
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)	200.0A	
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	1698.4	957.3	801.4	698.2	571.0	451.5	395.2	303.8	246.1	187.2	150.6	127.0	89.6	75.0
1.80V/cell	1979.7	1129.0	932.0	804.6	645.6	505.0	437.4	332.5	267.8	202.6	162.4	137.0	96.0	80.0
1.75V/cell	2160.5	1210.4	985.9	844.3	674.9	525.4	453.6	343.7	276.0	208.0	166.4	140.0	97.8	81.3
1.70V/cell	2339.8	1291.0	1041.9	888.5	704.6	545.3	470.2	355.2	284.8	214.1	170.6	143.2	99.5	82.6
1.67V/cell	2442.9	1338.2	1074.9	913.6	722.4	557.6	480.0	361.6	289.6	217.3	173.0	145.0	100.5	83.2
1.60V/cell	2692.8	1448.0	1152.0	972.8	763.2	586.4	503.4	377.8	301.6	225.3	178.7	149.4	102.9	85.0

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	3566.0	2192.1	1841.8	1609.4	1320.3	1047.3	824.6	636.0	516.4	394.1	302.6	255.8	181.1	151.6
1.80V/cell	4094.2	2553.7	2119.6	1836.6	1480.3	1162.4	906.4	691.8	559.0	424.7	325.0	274.7	193.5	161.6
1.75V/cell	4399.5	2705.1	2218.9	1908.6	1533.9	1200.4	933.3	710.8	573.0	434.2	331.9	280.1	196.6	163.9
1.70V/cell	4687.1	2847.2	2318.7	1988.4	1587.1	1236.2	960.9	730.4	588.3	444.8	339.1	285.6	199.7	166.2
1.67V/cell	4847.1	2928.5	2372.0	2031.7	1618.5	1257.6	976.3	740.7	595.9	450.2	342.9	288.6	201.5	167.5
1.60V/cell	5207.8	3104.4	2501.7	2129.6	1688.0	1308.7	1014.2	767.4	616.2	464.1	352.5	296.1	205.6	170.6

LHR Series High Rate LHR2372W(2V2372W)

Applications

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

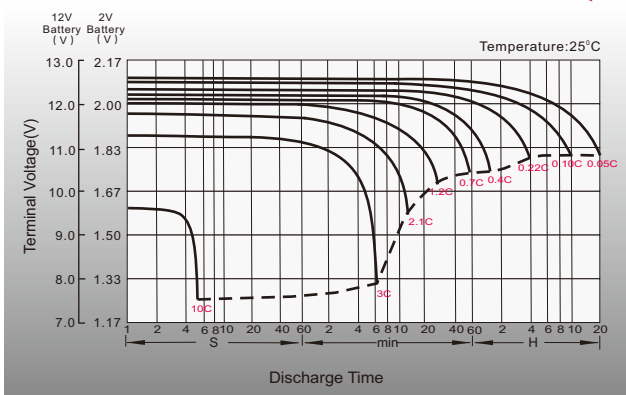
General Features

- 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

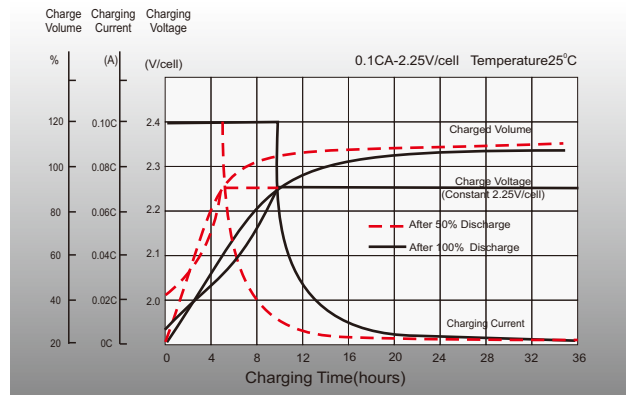
Standards

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE, UL Certified
- Manufactured in Leoben (AT) 16949, 015 AS 16001, ISO 9001 and ISO 14001 certified production facilities

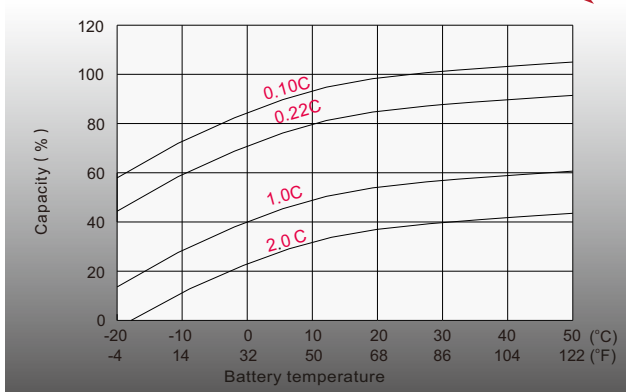
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life

