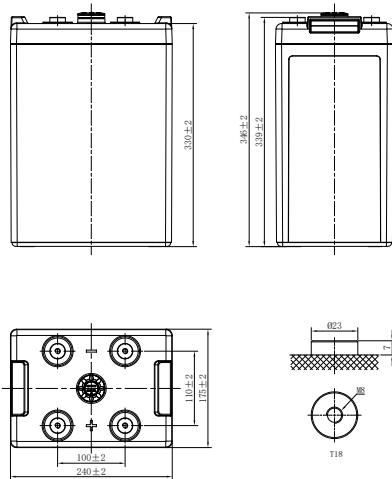


LHR SERIES-HIGH RATE

LHR2000W (2V2000W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Rate (25°C)	W_{15} , 1.67V/cell	2000W/cell
Nominal Capacity (25°C)	C_{10} , 1.80V/cell	600Ah
Dimension	Length	240mm (9.45inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	346mm (13.6inches)
Approx Weight	36.7kg (80.9lbs)	
Terminal	T18(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	7200A	
Internal Resistance (25°C)	Approx 0.4 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~50°C (5~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.25C	
Charge voltage (25°C)	Standby Use	Equalization Use
	2.25-2.30V/cell	2.30-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	
	40°C (104°F)	106%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	Self Discharge	≤ 3% per month at 25°C (77°F)

DISCHARGE TABLE

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	941.9	872.3	819.1	771.0	726.7	687.3	651.8	619.0	588.6	560.7	535.7	513.3	492.3	472.5
1.80V/cell	1060.6	982.2	911.9	843.4	778.9	719.0	663.0	610.5	561.0	514.4	470.7	429.9	391.5	355.0
1.75V/cell	1088.4	1033.9	960.6	887.4	818.0	753.0	691.5	633.0	577.0	523.4	471.7	421.9	373.5	326.0
1.70V/cell	1203.1	1087.8	1010.2	931.3	856.4	785.1	717.5	653.0	591.0	531.4	474.1	418.1	363.5	310.0
1.67V/cell	1369.4	1162.2	1063.8	978.1	896.6	819.0	745.1	674.0	605.0	538.4	474.1	411.9	351.5	292.0
1.60V/cell	1388.6	1178.5	1078.7	990.0	905.3	824.0	746.0	671.0	598.0	527.0	458.0	391.0	326.0	262.0

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	1770.7	1640.0	1539.8	1461.5	1399.1	1347.3	1295.3	1243.9	1193.0	1142.6	1092.7	1043.3	994.4	946.0
1.80V/cell	1993.8	1846.5	1714.3	1598.8	1494.0	1398.0	1301.0	1204.0	1107.0	1011.0	915.0	820.0	726.0	632.0
1.75V/cell	2046.2	1943.7	1805.9	1681.5	1568.7	1456.0	1343.0	1230.0	1117.0	1004.0	891.0	778.0	665.0	552.0
1.70V/cell	2262.0	2045.0	1899.2	1738.5	1584.0	1430.0	1276.0	1122.0	968.0	814.0	660.0	506.0	352.0	198.0
1.67V/cell	2574.5	2185.0	2000.0	1800.0	1619.8	1446.7	1279.8	1118.0	961.0	800.0	635.0	470.0	305.0	140.0
1.60V/cell	2610.5	2215.6	2028.0	1822.4	1633.3	1450.0	1272.0	1100.0	933.0	762.0	587.0	412.0	237.0	62.0

LHR SERIES-HIGH RATE

LHR2000W (2V2000W)



APPLICATIONS

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

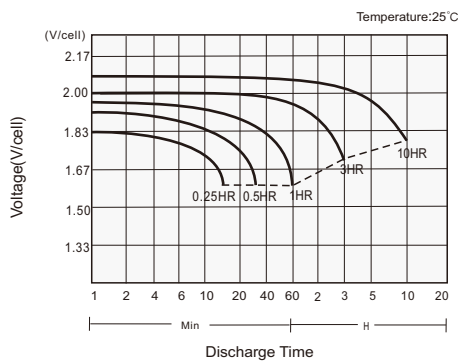
GENERAL FEATURES

- 16 years design life (25°C)
- Excellent high current performance - optimised for short discharge time
- Advanced AGM technology for superior high-rate power
- Long Life Alloy - minimizing grid growth, reducing gassing and extending battery life
- Epoxy-sealed posts eliminate leaks
- Optimal energy density - saves floor space

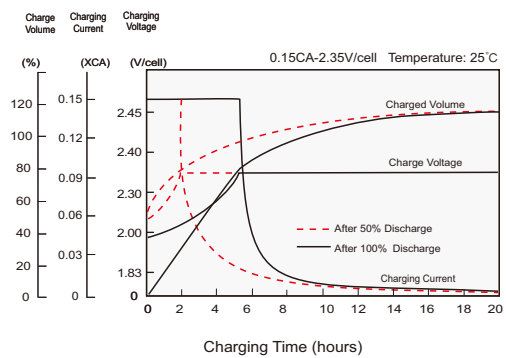
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE, UL Approved
- Manufactured in Leoch@IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

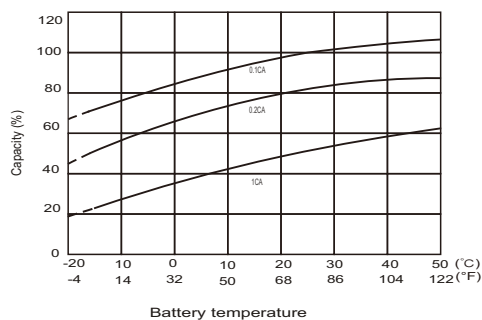
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

