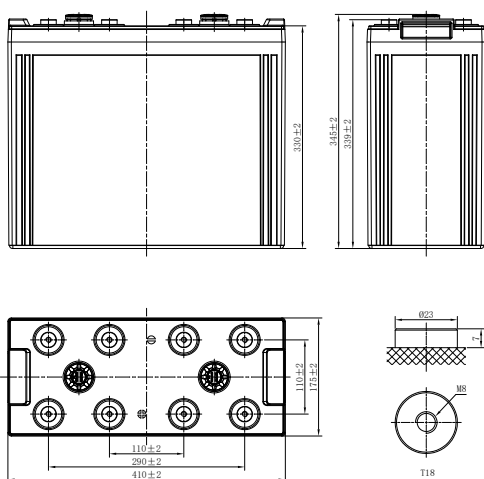


LHR SERIES-HIGH RATE

LHR2900W (2V2900W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Rate (25°C)	W_{15} , 1.67V/cell	2900W/cell
Nominal Capacity (25°C)	C_{10} , 1.80V/cell	900Ah
Dimension	Length	410mm (16.1inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	345mm (13.6inches)
Approx Weight	58.5kg (129.0lbs)	
Terminal	T18(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	10800A	
Internal Resistance (25°C)	Approx 0.3 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	-4mV/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	1194.7	1188.2	1114.4	890.0	722.1	551.0	475.3	355.5	279.8	218.6	173.5	151.9	102.4	87.8
1.80V/cell	1394.6	1320.2	1209.3	965.9	752.7	580.5	495.0	371.3	292.6	225.5	176.9	155.3	105.8	90.0
1.75V/cell	1545.0	1452.2	1292.2	1031.0	793.3	600.9	500.0	382.5	298.9	230.1	180.2	158.9	107.1	91.2
1.70V/cell	1608.4	1540.2	1339.7	1085.3	834.0	622.8	519.8	393.8	307.5	239.2	184.7	160.8	108.5	92.3
1.67V/cell	1737.0	1562.2	1410.9	1128.7	860.5	638.0	529.6	405.0	313.7	243.8	190.2	164.1	109.8	93.4
1.60V/cell	1761.3	1584.1	1430.6	1144.5	872.4	653.3	539.5	416.3	322.3	248.5	193.5	167.5	110.9	94.5

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	2332.9	2320.2	2199.2	1737.8	1380.5	1081.4	922.5	700.4	551.3	430.5	341.8	299.3	204.8	175.5
1.80V/cell	2723.3	2578.1	2411.1	1886.1	1438.8	1139.3	961.0	731.4	576.4	444.1	348.4	305.8	211.5	180.0
1.75V/cell	3017.2	2835.9	2603.2	2013.3	1516.6	1179.2	970.6	753.5	588.9	453.2	355.0	312.9	214.3	182.3
1.70V/cell	3140.8	3007.7	2726.3	2119.2	1594.3	1222.3	1009.0	775.8	605.6	471.3	363.7	316.8	216.9	184.5
1.67V/cell	3392.0	3050.7	2900.0	2204.0	1644.9	1252.2	1028.1	797.9	618.2	480.4	374.7	323.5	219.6	186.8
1.60V/cell	3439.5	3093.3	2940.6	2234.9	1668.0	1282.2	1047.4	820.0	634.9	489.4	381.2	330.1	221.9	189.0

LHR SERIES-HIGH RATE

LHR2900W (2V2900W)



APPLICATIONS

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

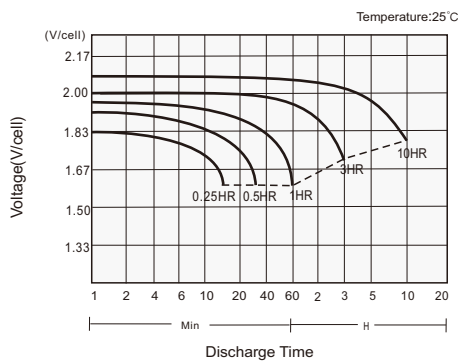
GENERAL FEATURES

- 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

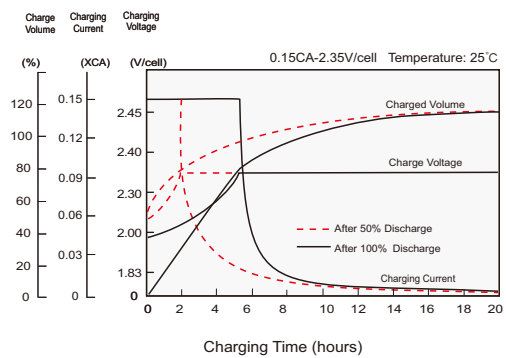
STANDARDS

- 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

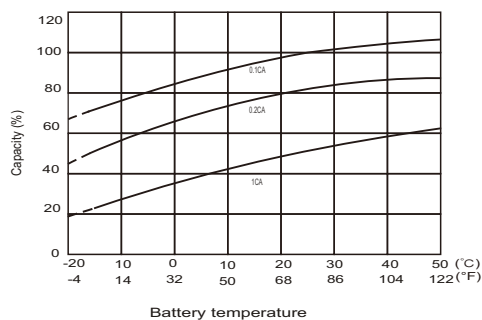
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

