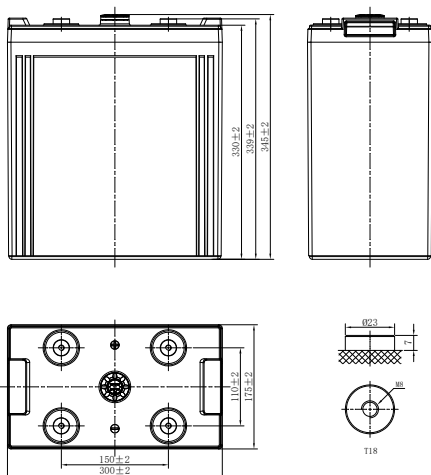


LHR SERIES-HIGH RATE

LHR2500W (2V2500W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	2500W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	720Ah
Dimension	Length	300mm (11.8inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	345mm (13.6inches)
Approx Weight		46.4kg (102.3lbs)
Terminal		T18(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		8640A
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)	Float Charge	Equalization Charge
	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	1029.9	1024.3	960.8	767.2	622.5	440.8	380.2	284.4	223.9	174.9	138.8	121.5	81.9	70.2
1.80V/cell	1202.2	1138.1	1042.5	832.7	648.8	464.4	396.0	297.0	234.1	180.4	141.5	124.2	84.6	72.0
1.75V/cell	1332.0	1251.9	1114.0	888.8	683.9	480.7	400.0	306.0	239.1	184.1	144.2	127.1	85.7	72.9
1.70V/cell	1386.6	1327.8	1154.9	935.6	719.0	498.2	415.8	315.0	246.0	191.4	147.7	128.7	86.8	73.8
1.67V/cell	1497.4	1346.8	1216.3	973.0	741.8	510.4	423.7	324.0	251.0	195.1	152.2	131.3	87.8	74.7
1.60V/cell	1518.4	1365.6	1233.3	986.6	752.1	522.6	431.6	333.0	257.8	198.7	154.8	134.0	88.7	75.6
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	2083.8	2000.2	1895.8	1498.1	1190.0	865.1	738.0	560.3	441.0	344.4	273.4	239.4	163.8	140.4
1.80V/cell	2321.5	2222.4	2078.6	1625.9	1240.3	911.4	768.8	585.1	461.1	355.3	278.7	244.6	169.2	144.0
1.75V/cell	2572.1	2444.7	2244.1	1735.6	1307.4	943.4	776.4	602.8	471.2	362.5	284.0	250.3	171.4	145.8
1.70V/cell	2677.5	2592.8	2350.2	1826.9	1374.4	977.8	807.2	620.6	484.5	377.1	291.0	253.4	173.5	147.6
1.67V/cell	2891.6	2629.9	2500.0	1900.0	1418.1	1001.8	822.5	638.3	494.5	384.3	299.8	258.8	175.7	149.4
1.60V/cell	2932.1	2666.7	2535.0	1926.6	1437.9	1025.8	837.9	656.0	507.9	391.6	305.0	264.1	177.5	151.2

LHR SERIES-HIGH RATE

LHR2500W (2V2500W)



APPLICATIONS

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

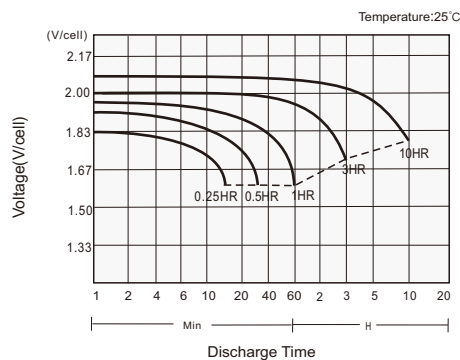
GENERAL FEATURES

- 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

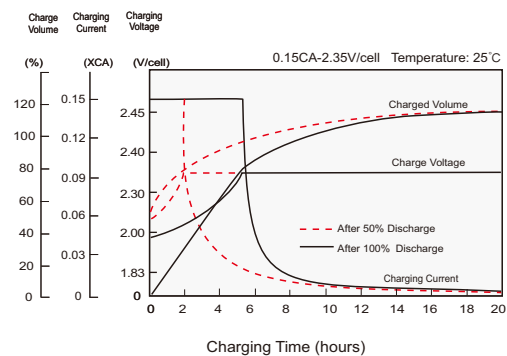
STANDARDS

- 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

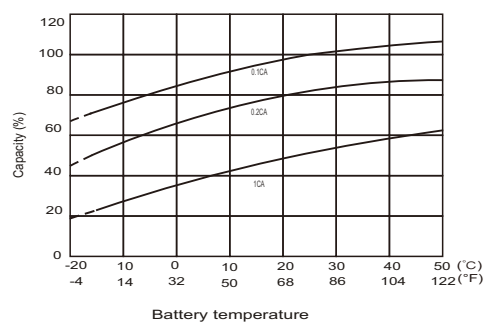
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

