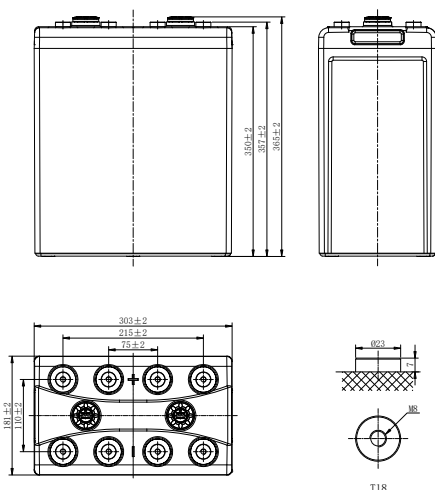


LHR SERIES-HIGH RATE

LHR2400W (2V2400W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	2400W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	800Ah
Dimension	Length	303mm (11.9inches)
	Width	181mm (7.13inches)
	Container Height	350mm (13.8inches)
	Total Height	365mm (14.4inches)
Approx Weight		48.5kg (106.9lbs)
Terminal		T18(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		9600A
Internal Resistance (25°C)		Approx 0.38 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	1288.4	1162.3	1024.8	818.3	664.0	489.8	422.4	316.0	248.8	194.3	154.2	135.0	91.0	78.0
1.80V/cell	1503.9	1291.4	1112.0	888.1	692.1	516.0	440.0	330.0	260.1	200.4	157.2	138.0	94.0	80.0
1.75V/cell	1666.3	1420.6	1188.3	948.0	729.5	534.1	444.4	340.0	265.7	204.5	160.2	141.2	95.2	81.0
1.70V/cell	1734.6	1506.7	1231.9	997.9	766.9	553.5	462.0	350.0	273.3	212.7	164.1	143.0	96.4	82.0
1.67V/cell	1774.7	1528.2	1297.3	1037.8	791.2	567.1	470.8	360.0	278.9	216.8	169.1	145.9	97.6	83.0
1.60V/cell	1799.6	1549.6	1315.5	1052.4	802.3	580.7	479.6	370.0	286.4	220.8	172.0	148.9	98.6	84.0
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	2383.5	2150.2	1895.8	1513.8	1228.5	940.3	811.0	622.5	490.0	382.7	303.8	266.0	182.0	156.0
1.80V/cell	2782.4	2389.2	2057.1	1643.1	1280.4	990.7	844.8	650.1	512.3	394.8	309.7	271.8	188.0	160.0
1.75V/cell	3082.7	2628.1	2198.3	1753.8	1349.6	1025.4	853.2	669.8	523.5	402.8	315.5	278.1	190.4	162.0
1.70V/cell	3209.0	2787.4	2279.0	1846.2	1418.8	1062.8	887.0	689.5	538.3	419.0	323.3	281.6	192.8	164.0
1.67V/cell	3283.2	2827.2	2400.0	1920.0	1463.8	1088.9	903.9	709.2	549.4	427.0	333.1	287.5	195.2	166.0
1.60V/cell	3329.2	2866.8	2433.6	1946.9	1484.3	1115.0	920.8	728.9	564.3	435.1	338.9	293.4	197.2	168.0

LHR SERIES-HIGH RATE

LHR2400W (2V2400W)



APPLICATIONS

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

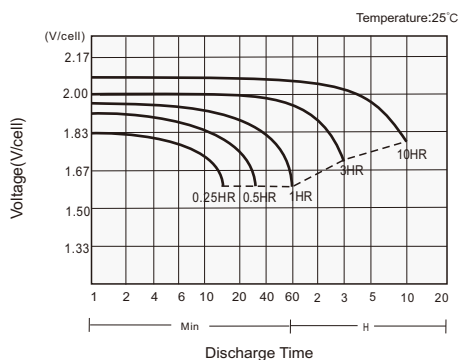
GENERAL FEATURES

- 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

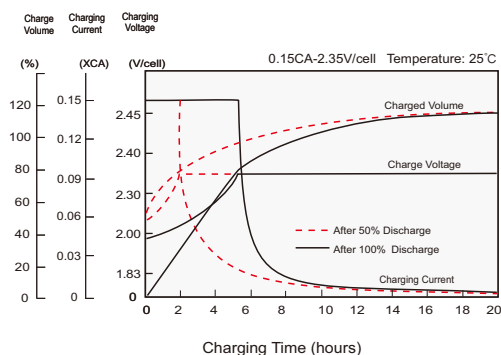
STANDARDS

- 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

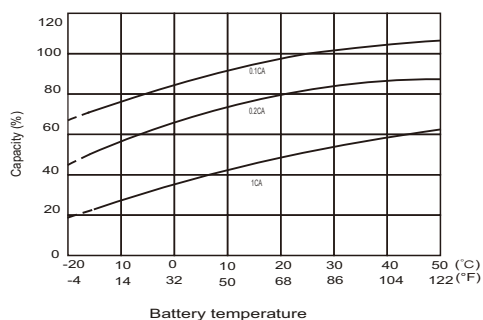
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

