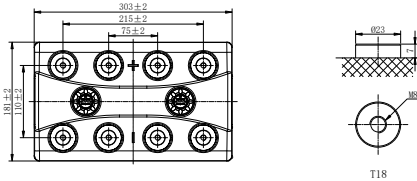
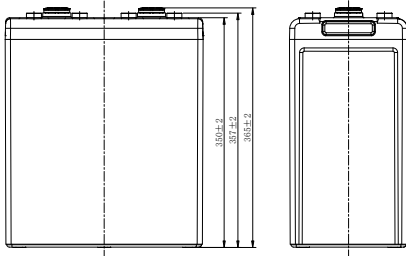


LHR SERIES-HIGH RATE

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	1356.2	1223.5	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	1583.1	1359.4	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	1754.0	1495.4	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	1825.9	1586.0	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	1868.1	1608.6	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	1894.3	1631.2	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	2509.0	2263.4	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	2928.8	2514.9	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	3244.9	2766.4	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	3377.9	2934.1	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	3456.0	2976.0	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	3504.4	3017.7	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

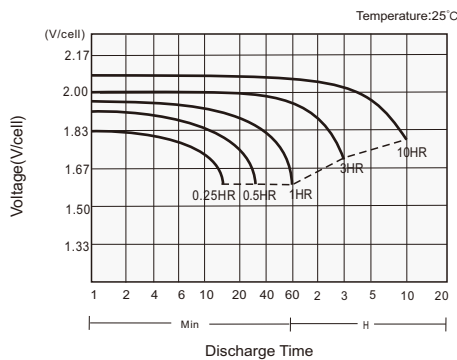
GENERAL FEATURES

- 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

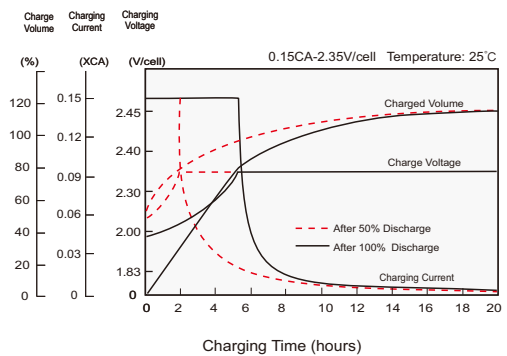
STANDARDS

- 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

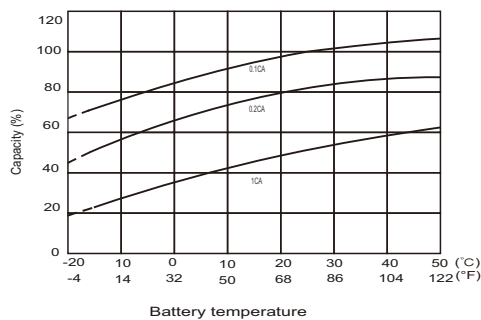
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

