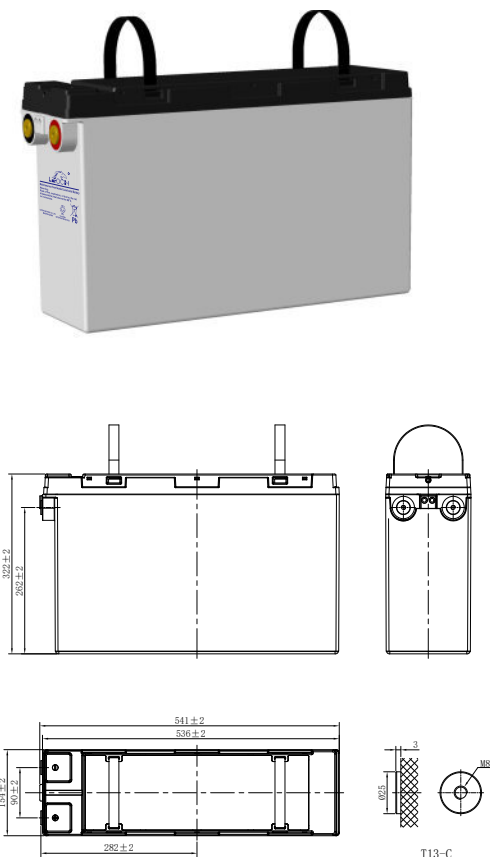


LHR SERIES-HIGH RATE

LHR12900FT (12V900W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	900W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	240Ah
Dimension	Length	541mm (21.3inches)
	Width	154mm (6.06inches)
	Container Height	322mm (12.7inches)
	Total Height	322mm (12.7inches)
Approx Weight		77.5kg (170.9lbs)
Terminal		T13-C(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		4800A
Internal Resistance (25°C)		Approx 2.4 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)	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	493.4	402.4	348.9	270.9	193.6	135.7	104.6	71.2	67.4	59.1	46.7	39.5	27.3	23.3
1.80V/cell	549.3	446.3	384.3	309.1	212.2	148.5	114.3	77.8	71.4	61.0	48.4	41.1	27.9	24.0
1.75V/cell	645.2	513.3	443.5	347.0	238.9	169.1	132.0	89.0	74.1	62.3	50.1	42.3	28.1	24.1
1.70V/cell	711.0	549.4	485.6	379.3	261.1	184.6	143.8	96.9	75.9	63.7	51.3	43.2	28.6	24.3
1.67V/cell	735.8	582.0	499.7	389.6	267.3	188.6	147.0	99.0	79.5	65.1	51.9	43.8	28.9	24.6
1.60V/cell	761.8	601.9	515.2	399.6	273.8	193.1	150.1	101.0	83.0	66.7	53.1	44.6	29.1	24.8

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	921.5	757.0	660.6	515.3	369.9	260.9	198.2	138.1	131.2	115.4	91.6	77.8	54.2	46.4
1.80V/cell	1009.1	827.4	718.2	581.7	402.2	283.7	215.5	150.1	138.2	118.7	94.7	80.6	55.2	47.7
1.75V/cell	1164.5	936.5	817.2	645.6	449.5	321.2	247.6	170.8	142.9	120.9	97.5	82.6	55.5	47.8
1.70V/cell	1262.0	988.3	885.6	699.6	487.1	348.0	268.3	185.1	145.7	123.1	99.4	84.2	56.4	48.1
1.67V/cell	1282.5	1031.4	900.0	711.0	495.0	353.7	272.7	188.1	152.1	125.2	100.4	85.0	56.9	48.8
1.60V/cell	1300.5	1045.8	912.6	721.0	501.9	358.7	276.5	190.7	157.6	127.8	102.2	86.3	57.0	48.9

LHR SERIES-HIGH RATE

LHR12900FT (12V900W)



APPLICATIONS

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

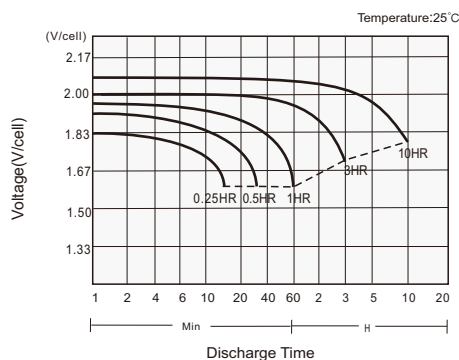
GENERAL FEATURES

- 12+ 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
- Optimal energy density - saves floor space
- Front access design for easy installation and maintenance

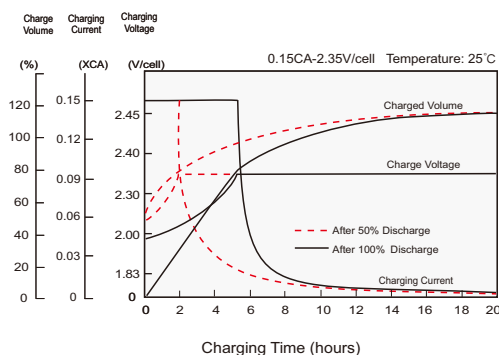
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE,UL Approved
- Manufactured in Leoch®IATF 16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

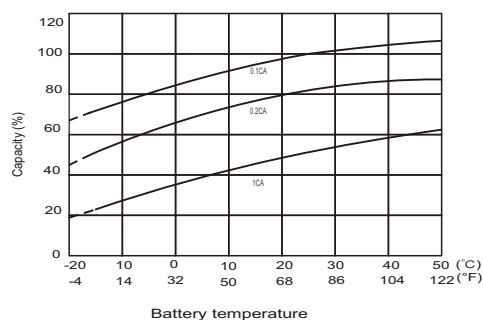
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

