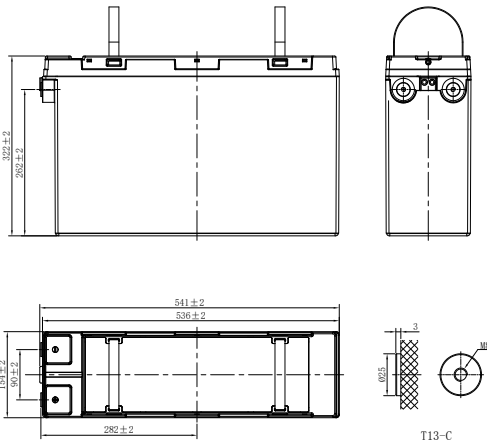


LHR SERIES-HIGH RATE

LHR12900FT (12V900W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	900W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	225Ah
Dimension	Length	541mm (21.3inches)
	Width	154mm (6.06inches)
	Container Height	322mm (12.7inches)
	Total Height	322mm (12.7inches)
Approx Weight	80.0kg (176.4lbs)	
Terminal	T13-C(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	4500A	
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	538.4	429.8	372.7	293.1	203.1	144.2	110.5	76.1	74.4	55.4	43.8	37.0	25.6	21.9
1.80V/cell	612.3	487.9	422.3	331.3	229.0	162.4	124.3	85.6	78.7	57.2	45.4	38.5	26.1	22.5
1.75V/cell	645.2	513.3	443.5	347.0	238.9	169.1	129.3	89.0	81.7	58.4	46.9	39.6	26.4	22.6
1.70V/cell	711.0	564.1	485.6	379.3	261.1	184.6	140.9	96.9	83.7	59.7	48.0	40.5	26.8	22.7
1.67V/cell	735.8	582.0	499.7	389.6	267.3	188.6	144.0	99.0	85.7	61.0	48.7	41.0	27.1	23.1
1.60V/cell	761.8	601.9	515.2	399.6	273.8	193.1	147.0	101.0	87.4	62.6	49.8	41.8	27.2	23.2

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	1005.5	808.6	705.6	557.4	388.1	277.3	213.8	147.5	144.7	108.2	85.9	73.0	50.8	43.5
1.80V/cell	1124.8	904.5	789.3	623.5	434.1	310.2	239.2	165.0	152.4	111.3	88.8	75.5	51.7	44.7
1.75V/cell	1164.5	936.5	817.2	645.6	449.5	321.2	247.6	170.8	157.6	113.4	91.4	77.4	52.1	44.8
1.70V/cell	1262.0	1014.9	885.6	699.6	487.1	348.0	268.3	185.1	160.7	115.4	93.2	79.0	52.8	45.1
1.67V/cell	1282.5	1031.4	900.0	711.0	495.0	353.7	272.7	188.1	163.9	117.4	94.1	79.7	53.3	45.7
1.60V/cell	1300.5	1045.8	912.6	721.0	501.9	358.7	276.5	190.7	166.0	119.8	95.8	80.9	53.5	45.9

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

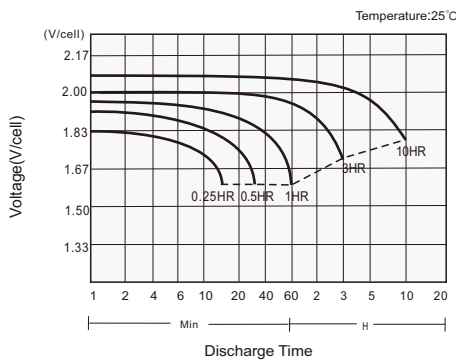
GENERAL FEATURES

- 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

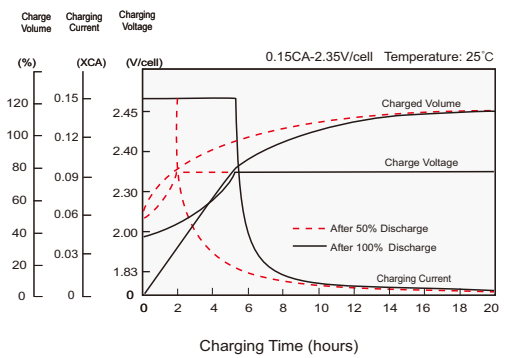
STANDARDS

- 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

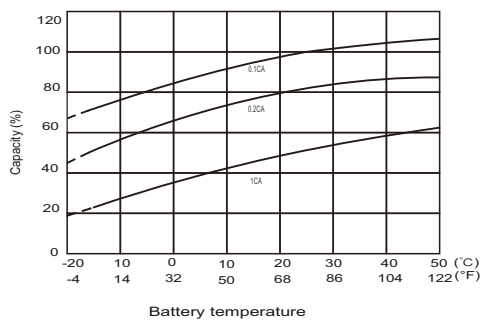
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

