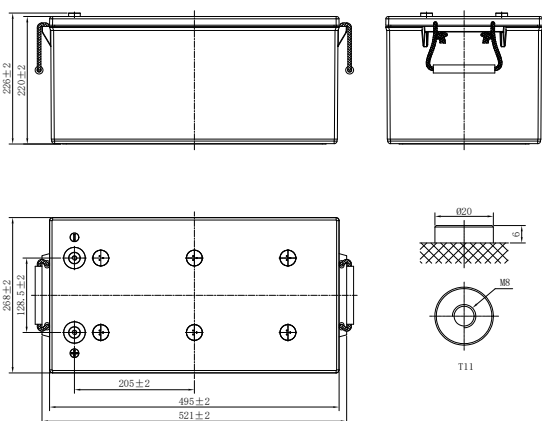


LHR SERIES-HIGH RATE

LHR12900W (12V900W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	900W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	230Ah
Dimension	Length	521mm(20.5inches)
	Width	268mm(10.6inches)
	Container Height	220mm(8.66inches)
	Total Height	226mm(8.90inches)
Approx Weight		75.5kg(166.4lbs)
Terminal		T11(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		4600A
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	156.2	129.9	93.0	76.0	56.6	44.8	38.4	26.2	22.4
1.80V/cell	612.3	487.9	422.3	331.3	229.0	165.9	135.4	95.8	80.5	58.5	46.4	39.4	26.7	23.0
1.75V/cell	665.1	529.1	457.2	357.7	246.3	175.9	143.1	99.7	83.6	59.7	48.0	40.5	27.0	23.1
1.70V/cell	711.0	564.1	485.6	379.3	261.1	184.6	146.8	103.9	85.6	61.1	49.1	41.4	27.4	23.2
1.67V/cell	735.8	582.0	499.7	389.6	267.3	189.6	150.6	106.6	87.6	62.4	49.8	42.0	27.7	23.6
1.60V/cell	761.8	601.9	515.2	399.6	273.8	194.3	153.3	110.2	89.3	64.0	50.9	42.8	27.8	23.7

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	300.3	251.2	180.2	147.9	110.6	87.8	75.7	51.9	44.5
1.80V/cell	1124.8	904.5	789.3	623.5	434.1	316.8	260.5	184.6	155.8	113.8	90.7	77.2	52.9	45.7
1.75V/cell	1200.4	965.4	842.4	665.5	463.3	333.9	274.1	191.4	161.1	115.9	93.4	79.2	53.2	45.8
1.70V/cell	1262.0	1014.9	885.6	699.6	487.1	348.0	279.6	198.4	164.3	118.0	95.3	80.7	54.0	46.1
1.67V/cell	1282.5	1031.4	900.0	711.0	495.0	355.5	285.3	202.6	167.5	120.0	96.2	81.5	54.5	46.7
1.60V/cell	1300.5	1045.8	912.6	721.0	501.9	360.9	288.3	208.0	169.7	122.4	98.0	82.7	54.7	46.9

LHR SERIES-HIGH RATE

LHR12900W (12V900W)



APPLICATIONS

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

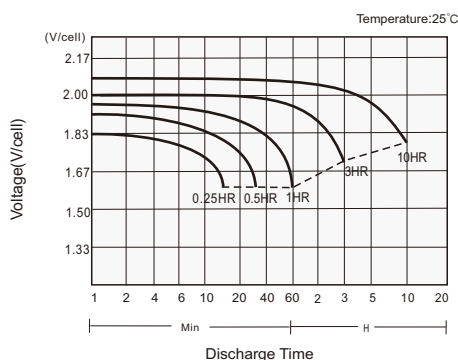
GENERAL FEATURES

- 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
- Epoxy-sealed posts eliminate leaks
- Optimal energy density - saves floor space

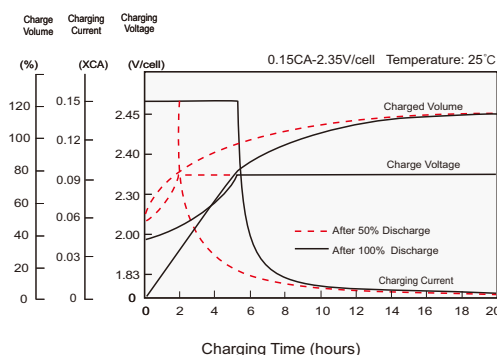
STANDARDS

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

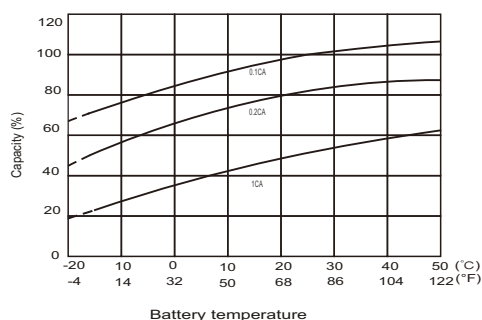
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

