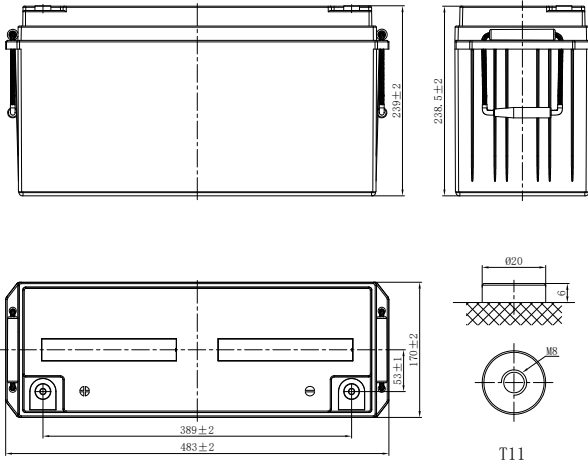


LHR SERIES-HIGH RATE

LHR12560W (12V560W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	W ₁₅ 1.67V/cell	560W/cell
Nominal Capacity (25°C)	C ₁₀ 1.80V/cell	145Ah
Dimension	Length	483mm (19.0inches)
	Width	170mm (6.69inches)
	Container Height	238.5mm (9.39inches)
	Total Height	239mm (9.41inches)
Approx Weight	46.5kg (102.5lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2900A	
Internal Resistance (25°C)	Approx 3.5 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	335.0	267.4	231.9	182.4	126.4	98.5	79.8	58.6	47.9	35.7	28.2	23.9	16.5	14.1
1.80V/cell	381.0	303.6	262.8	206.2	142.5	104.6	82.5	60.4	50.7	36.9	29.3	24.8	16.8	14.5
1.75V/cell	413.8	329.2	284.5	222.6	153.2	110.9	85.9	62.9	52.7	37.7	30.2	25.5	17.0	14.6
1.70V/cell	442.4	351.0	302.1	236.0	162.5	116.3	89.6	65.5	53.9	38.5	31.0	26.1	17.3	14.7
1.67V/cell	457.8	362.1	310.9	242.4	166.3	119.5	90.6	67.2	55.2	39.3	31.4	26.5	17.5	14.9
1.60V/cell	474.0	374.5	320.6	248.7	170.4	122.5	92.3	69.4	56.3	40.3	32.1	27.0	17.6	15.0

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	625.6	503.1	439.0	346.8	241.5	189.3	154.4	113.6	93.2	69.7	55.3	47.0	32.7	28.0
1.80V/cell	699.8	562.8	491.1	388.0	270.1	199.7	158.7	116.4	98.2	71.7	57.2	48.7	33.3	28.8
1.75V/cell	746.9	600.7	524.2	414.1	288.3	210.5	164.5	120.7	101.6	73.1	58.9	49.9	33.6	28.9
1.70V/cell	785.2	631.5	551.0	435.3	303.1	219.4	170.7	125.1	103.6	74.4	60.1	50.9	34.1	29.1
1.67V/cell	798.0	641.8	560.0	442.4	308.0	224.1	171.6	127.7	105.6	75.7	60.7	51.4	34.4	29.5
1.60V/cell	809.2	650.7	567.8	448.6	312.3	227.5	173.6	131.1	107.0	77.2	61.8	52.2	34.5	29.6

LHR SERIES-HIGH RATE

LHR12560W (12V560W)



APPLICATIONS

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

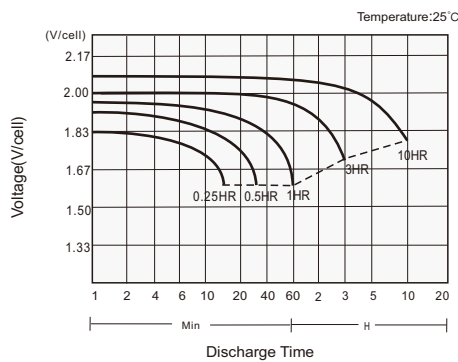
GENERAL FEATURES

- 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

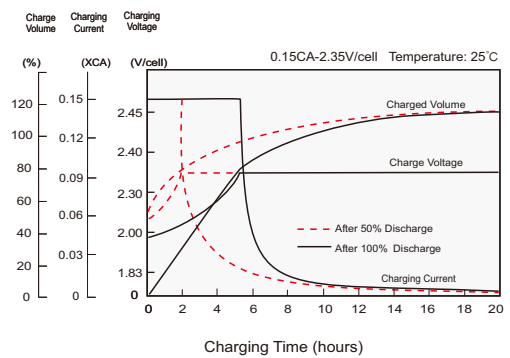
STANDARDS

- 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

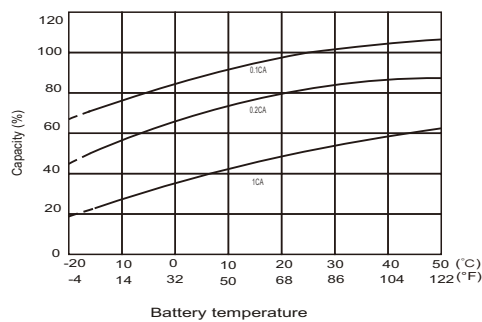
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

