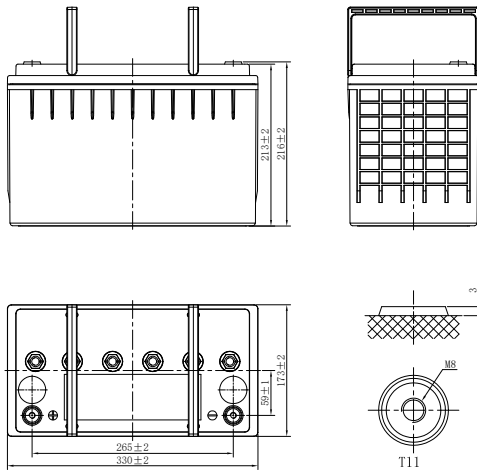


LHR SERIES-HIGH RATE

LHR12360W (12V360W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	360W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	100Ah
Dimension	Length	330mm (13.0inches)
	Width	173mm (6.81inches)
	Container Height	213mm (8.39inches)
	Total Height	216mm (8.50inches)
Approx Weight	30.0kg (66.1lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2500A	
Internal Resistance (25°C)	Approx 4.0 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	278.5	206.5	164.2	116.7	87.6	65.5	52.8	37.3	31.5	23.8	19.4	16.6	11.7	9.76
1.80V/cell	310.4	230.1	183.0	126.3	94.4	69.6	55.9	39.5	33.2	24.8	20.3	17.2	12.0	10.0
1.75V/cell	323.9	240.1	191.0	138.6	102.2	74.0	59.3	41.8	34.7	25.7	21.1	17.8	12.2	10.1
1.70V/cell	328.0	243.1	193.4	148.2	107.2	78.4	62.0	43.7	36.0	26.5	21.6	18.1	12.4	10.2
1.67V/cell	333.0	246.8	196.4	156.3	112.0	80.9	64.2	45.2	37.1	27.3	22.1	18.4	12.6	10.3
1.60V/cell	338.1	250.6	199.3	162.3	116.0	83.2	66.0	46.3	37.7	27.8	22.4	18.7	12.7	10.5

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	456.0	378.5	301.1	227.4	172.5	130.1	105.6	76.0	63.3	48.0	39.3	33.7	23.9	20.0
1.80V/cell	515.4	421.8	335.6	243.9	184.9	137.6	111.3	79.9	66.5	49.9	41.0	34.9	24.5	20.5
1.75V/cell	555.5	440.2	350.2	264.9	198.6	145.5	117.6	84.4	69.3	51.6	42.5	36.0	24.9	20.6
1.70V/cell	590.3	445.7	354.5	280.4	206.6	153.3	122.3	87.7	71.5	53.1	43.3	36.4	25.2	20.8
1.67V/cell	612.0	452.5	360.0	292.3	214.0	157.1	125.7	90.1	73.4	54.5	44.2	37.0	25.5	20.9
1.60V/cell	620.8	459.4	365.5	299.0	219.0	159.7	128.2	91.7	73.9	55.0	44.6	37.4	25.6	21.2

LHR SERIES-HIGH RATE

LHR12360W (12V360W)



APPLICATIONS

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

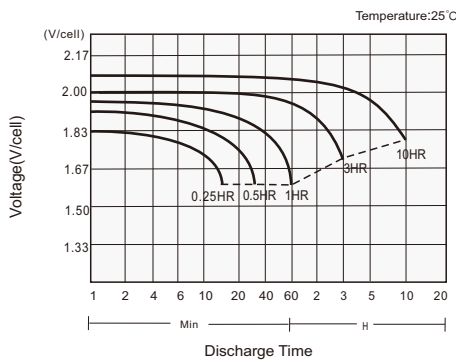
GENERAL FEATURES

- 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

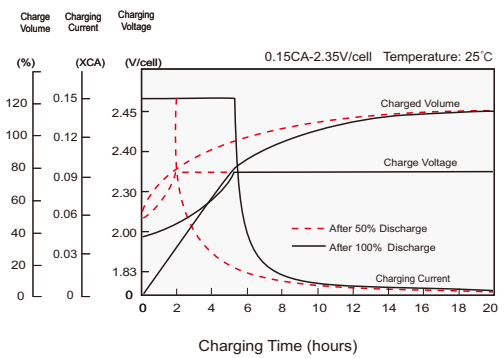
STANDARDS

- 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

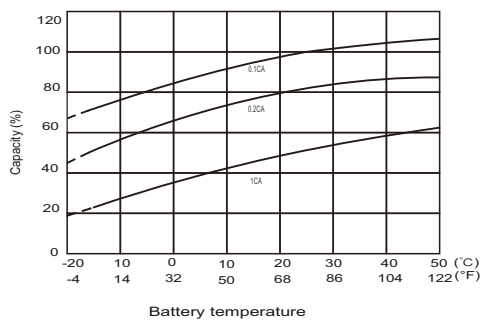
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

