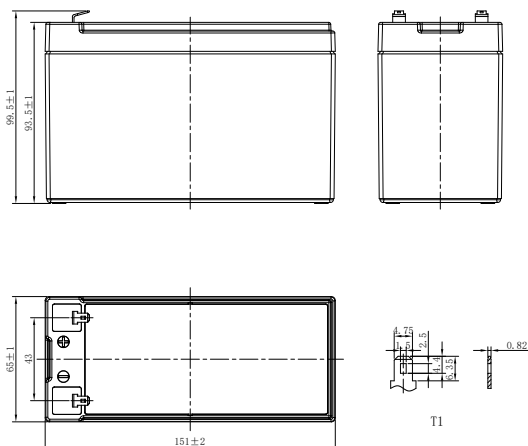


LHR SERIES-HIGH RATE

LHR1232W(A) (12V32W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	32W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	7.49Ah
Dimension	Length	151mm (5.94inches)
	Width	65mm (2.56inches)
	Container Height	93.5mm (3.68inches)
	Total Height	99.5mm (3.92inches)
Approx Weight	2.31kg (5.09lbs)	
Terminal	T1/T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	209.72A	
Internal Resistance (25°C)	Approx 19 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	26.9	18.2	14.0	11.2	8.22	5.98	4.84	3.70	2.84	1.98	1.57	1.34	0.900	0.739
1.80V/cell	28.9	19.2	14.7	11.6	8.48	6.14	4.96	3.78	2.89	2.01	1.60	1.36	0.920	0.749
1.75V/cell	30.4	20.0	15.2	12.0	8.70	6.27	5.06	3.85	2.95	2.04	1.62	1.38	0.930	0.757
1.70V/cell	31.9	20.8	15.7	12.3	8.92	6.41	5.15	3.92	2.99	2.07	1.64	1.40	0.940	0.764
1.67V/cell	33.0	21.4	16.0	12.5	9.07	6.51	5.23	3.97	3.02	2.09	1.66	1.41	0.940	0.770
1.60V/cell	35.0	22.3	16.6	12.9	9.33	6.68	5.35	4.05	3.08	2.13	1.69	1.43	0.960	0.780
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	55.6	36.9	28.6	23.0	17.0	12.4	10.1	7.23	5.56	3.88	3.10	2.65	1.79	1.47
1.80V/cell	59.2	38.9	29.8	23.8	17.4	12.7	10.3	7.36	5.65	3.94	3.14	2.68	1.82	1.49
1.75V/cell	61.7	40.1	30.6	24.3	17.8	12.9	10.5	7.47	5.74	3.99	3.18	2.71	1.84	1.50
1.70V/cell	64.0	41.5	31.5	24.9	18.2	13.2	10.6	7.58	5.81	4.04	3.22	2.74	1.85	1.52
1.67V/cell	65.7	42.4	32.0	25.4	18.5	13.3	10.8	7.66	5.86	4.08	3.24	2.76	1.87	1.53
1.60V/cell	68.3	43.6	33.0	26.0	18.9	13.6	10.9	7.79	5.96	4.14	3.29	2.80	1.89	1.54

LHR SERIES-HIGH RATE

LHR1232W(A) (12V32W)



APPLICATIONS

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

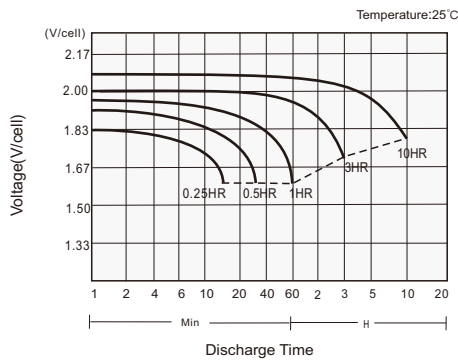
GENERAL FEATURES

- 6 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

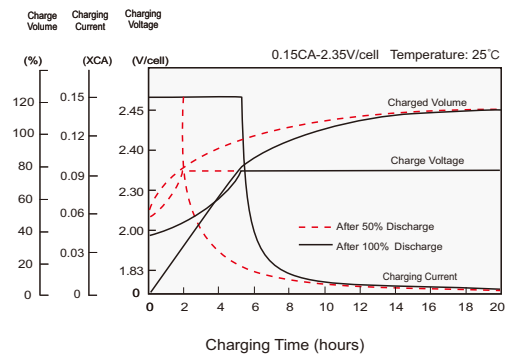
STANDARDS

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

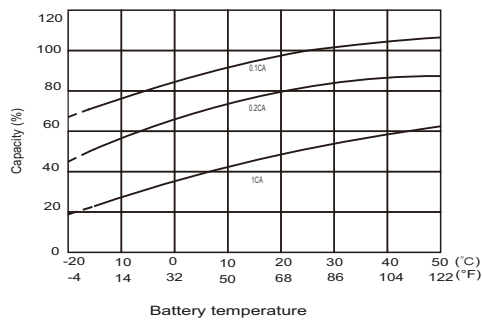
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

