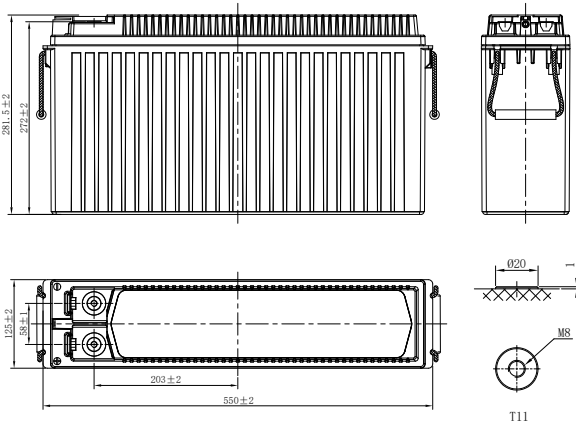
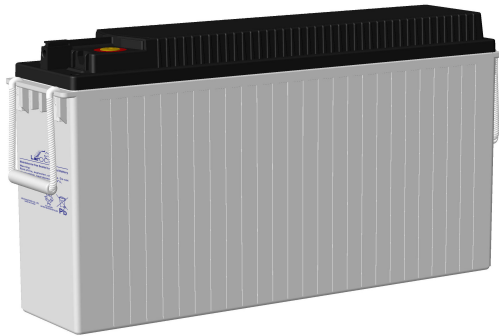


LHR SERIES-HIGH RATE

LHR12600FT (12V600W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	600W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	150Ah
Dimension	Length	550mm (21.7inches)
	Width	125mm (4.92inches)
	Container Height	281.5mm (11.1inches)
	Total Height	281.5mm (11.1inches)
Approx Weight	51.5kg (113.5lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3000A	
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)	Standby Use	Equalization Use
	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	351.0	281.4	242.1	190.4	139.1	106.5	82.2	61.6	49.6	36.9	29.2	24.7	17.1	14.6
1.80V/cell	400.3	320.3	275.1	215.8	157.3	111.0	84.0	65.5	52.5	38.6	30.3	25.7	17.4	15.0
1.75V/cell	413.6	330.5	283.3	221.7	160.9	116.7	87.0	68.0	54.5	40.0	31.3	26.4	17.6	15.1
1.70V/cell	449.5	358.2	306.0	239.0	173.5	121.2	91.3	69.7	55.8	40.8	32.0	27.0	17.9	15.2
1.67V/cell	492.3	391.0	333.1	259.8	187.9	124.9	94.9	71.5	57.1	41.7	32.5	27.4	18.1	15.4
1.60V/cell	509.7	404.4	343.5	266.4	192.5	129.0	97.2	72.8	58.3	42.7	33.2	27.9	18.2	15.5

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	655.5	529.5	458.4	362.1	265.9	204.8	159.0	119.5	96.5	72.1	57.3	48.6	33.9	29.0
1.80V/cell	735.3	593.9	514.2	406.2	298.2	212.0	161.6	126.2	101.6	75.2	59.2	50.4	34.5	29.8
1.75V/cell	746.5	602.9	522.0	412.4	302.8	221.6	166.6	130.6	105.1	77.5	60.9	51.6	34.7	29.9
1.70V/cell	797.9	644.5	558.0	440.8	323.6	228.5	174.0	133.2	107.1	78.9	62.1	52.6	35.2	30.1
1.67V/cell	858.0	693.0	600.0	474.0	348.0	234.1	179.7	136.0	109.2	80.2	62.7	53.1	35.5	30.5
1.60V/cell	870.0	702.7	608.4	480.6	352.9	239.6	182.9	137.5	110.7	81.8	63.9	54.0	35.6	30.6

LHR SERIES-HIGH RATE

LHR12600FT (12V600W)



APPLICATIONS

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

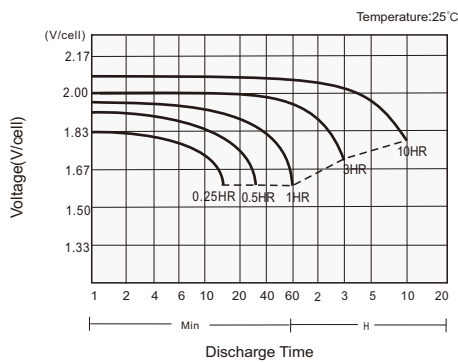
GENERAL FEATURES

- 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

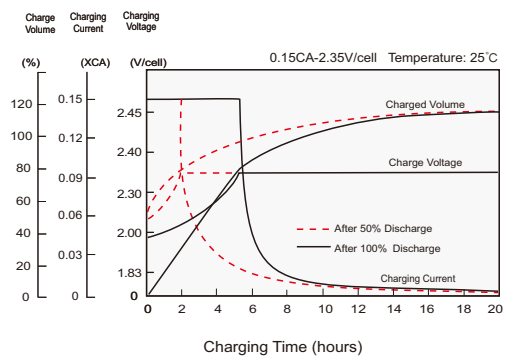
STANDARDS

- 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

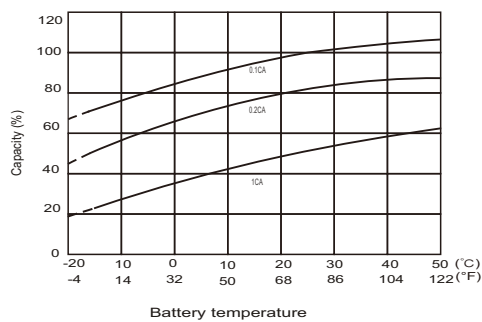
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

