



High Temperature LHT series



- TEMPERATURE RANGE**
-40°C ~ +65°C
- SHELF DISCHARGE**
≤3% per month at 25°C
- WARRANTY**
3 Years
- DESIGN LIFE**
10-15 years (35°C)

LEOCH High Temperature batteries, LHT series, are High Temperature AGM Valve-Regulated Lead-Acid batteries that have been optimized for high temperature telecom applications. Engineered for high temperature applications to reduce CAPEX & OPEX for the end-user, LHT(F) batteries offer a long life design at 35°C where conventional AGM batteries last half of the life duration of LHT(F) batteries, a front and top terminal design and extended warranty under high temperatures that offer "peace of mind" during usage.

GENERAL FEATURES

- EMERGENCY POWER**
Ideal for high temperature communications and emergency power supply applications
- HIGH TEMPERATURE**
High Temperature design paste formula, double sealing agent and separator to optimize performance under higher temperatures
- HIGHER THAN VRLA TEMPERATURES**
To be operated at reference temperatures of 35°C, 10°C higher than the reference temperature of conventional VRLA batteries (25°C)
- SAFETY**
Unique anti-explosion one-way vent valve design to minimize water loss and increase safety
- LONG LIFE**
Long life design of up to 10 years (12V) and 15 years (2V) at 35°C
- ABS CASE**
Premium ABS+PC jar & covers flame retardant to UL94-V0

BATTERY SPECIFICATIONS

Model	Nominal Voltage (V)	Rated Capacity 10Hr @ 1.80V/cell (AH)	Approx. Dimensions								Approx. Weight		Terminal Type
			Length		Width		Height		Total Height		kg	lbs	
			mm	in.	mm	in.	mm	in.	mm	in.			
LHT2-200	2	200	170.00	6.69	110.00	4.33	328.00	12.91	348.00	13.70	13.50	29.76	M8
LHT2-300	2	300	170.00	6.69	150.00	5.91	328.00	12.91	348.00	13.70	18.80	41.45	M8
LHT2-400	2	400	210.00	8.27	175.00	6.89	330.00	12.99	350.00	13.78	25.50	56.22	M8
LHT2-500	2	500	240.00	9.45	175.00	6.89	330.00	12.99	350.00	13.78	30.00	66.14	M8
LHT2-600	2	600	300.00	11.81	175.00	6.89	330.00	12.99	350.00	13.78	37.00	81.57	M8
LHT2-800	2	800	410.00	16.14	175.00	6.89	330.00	12.99	350.00	13.78	50.40	111.11	M8
LHT2-1000	2	1000	475.00	18.70	175.00	6.89	328.00	12.91	350.00	13.78	60.00	132.28	M8
LHT2-1500	2	1500	403.00	15.87	354.00	13.94	339.00	13.35	349.00	13.74	97.50	214.95	M8
LHT2-2000	2	2000	490.00	19.29	350.00	13.78	339.00	13.35	349.00	13.74	121.00	266.76	M8
LHT2-3000	2	3000	709.00	27.91	350.00	13.78	337.00	13.27	347.00	13.66	183.00	403.44	M8
LHT12-100	12	100	330.00	12.99	173.00	6.81	212.00	8.35	218.00	8.58	33.50	73.85	M8
LHT12-150	12	150	532.00	20.94	207.00	8.15	214.00	8.43	220.00	8.66	56.00	123.46	M8
LHT12-200	12	200	522.00	20.55	240.00	9.45	218.00	8.58	224.00	8.82	67.40	148.59	M8
LHTF12-100	12	100	394.00	15.51	110.00	4.33	286.00	11.26	286.00	11.26	31.50	69.44	M6
LHTF12-150	12	150	551.00	21.69	110.00	4.33	288.00	11.34	288.00	11.34	46.00	101.41	M6
LHTF12-200	12	200	560.00	22.05	126.00	4.96	320.00	12.60	320.00	12.60	59.500	131.17	M8

PERFORMANCE CHARACTERISTICS

Discharge Characteristics

Floating Charging Characteristics

Temperature Effect on Long Term Float Life (2V)

Temperature Effect on Long Term Float Life (12V)