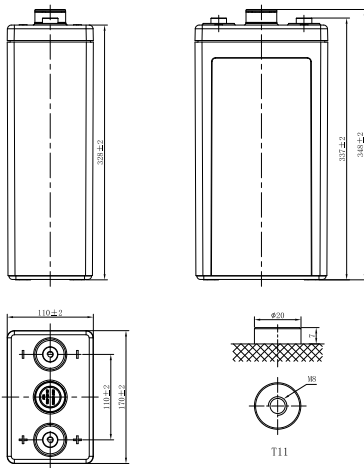


LHT SERIES-HIGH TEMPERATURE

LHT2-200 (2V200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (35°C)	C ₁₀ , 1.80V/cell	200Ah
Dimension	Length	170mm (6.69inches)
	Width	110mm (4.33inches)
	Container Height	328mm (12.9inches)
	Total Height	348mm (13.7inches)
Approx Weight	13.5kg (29.8lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 V-0)	
Short-circuit current	3000A	
Internal Resistance (35°C)	Approx 0.9 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-40~65°C (-40~149°F)
	Charge	-20~45°C (-4~113°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±10°C (77±18°F)	
Max.Charging Current (35°C)	0.25C	
Charge voltage (35°C)	Standby Use	Cycle Use
	2.23-2.27V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	
	-5mV/cell/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	35°C (95°F)	100%
	0°C (32°F)	86%
Self Discharge	LHT series batteries can be stored for up to 6 months at 35°C (95°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 35°C (95°F)											
F. V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	136.8	112.0	94.2	62.4	48.1	38.9	32.8	28.6	22.8	19.1	10.1
1.80V/cell	150.8	121.6	102.1	66.6	50.5	40.5	34.1	29.6	23.8	20.0	10.6
1.75V/cell	165.2	132.5	111.5	70.4	53.0	42.5	35.5	30.7	24.4	20.4	10.8
1.70V/cell	177.6	140.5	118.0	73.9	55.3	44.0	36.6	31.7	25.1	20.9	11.1
1.67V/cell	188.0	146.7	123.0	76.8	57.1	45.3	37.6	32.4	25.5	21.2	11.3
1.60V/cell	196.4	153.1	128.2	79.7	58.4	46.3	38.4	33.0	25.9	21.4	11.3
Constant Power Discharge (Watts/cell) at 35°C (95°F)											
F. V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	261.4	215.3	182.2	121.4	94.0	76.2	64.5	56.4	45.2	38.0	20.2
1.80V/cell	285.9	232.3	196.4	128.9	98.3	79.2	66.9	58.3	47.0	39.7	21.1
1.75V/cell	310.8	251.7	213.6	135.7	102.8	82.8	69.4	60.2	48.2	40.5	21.5
1.70V/cell	331.3	265.0	224.8	141.9	106.9	85.4	71.3	62.0	49.5	41.4	22.0
1.67V/cell	348.1	275.0	233.0	146.8	109.9	87.5	73.0	63.3	50.1	42.0	22.3
1.60V/cell	360.0	284.3	241.2	151.4	111.9	89.0	74.2	64.3	50.8	42.4	22.4

LHT SERIES-HIGH TEMPERATURE

LHT2-200 (2V200Ah)



APPLICATIONS

- Tele-communication base station
- High temperature station without air-condition
- Station in the open air
- Electric power system, UPS
- Solar energy, wind saving energy power supply

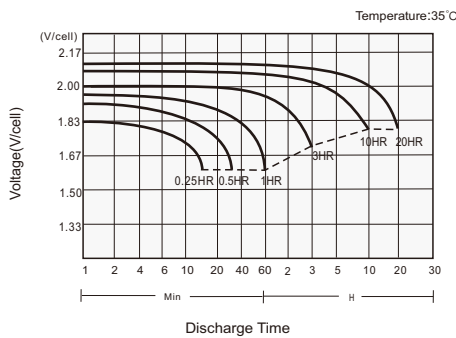
GENERAL FEATURES

- Design life up to 15 years at 35°C
- Specifically formulated heat resistant plastic case and cover optimizes compression, and meets safety requirements(UL 94 V-0)
- Alloy inhibits corrosion under the highest temperature extremes
- Puncture resistant micro-porous glass mat separators extend life
- Epoxy-sealed posts eliminate leaks

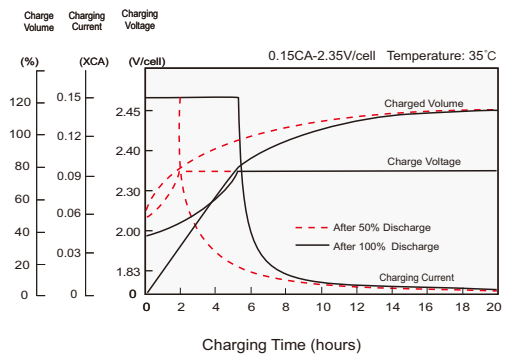
STANDARDS

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

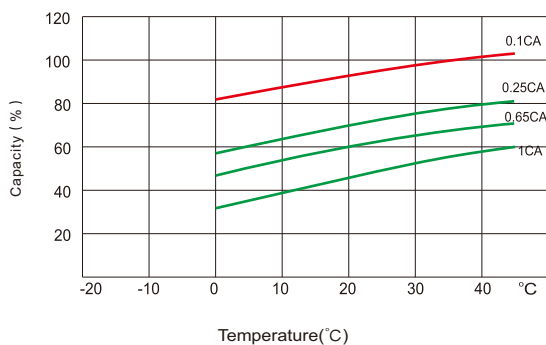
Discharge Characteristics



Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics

