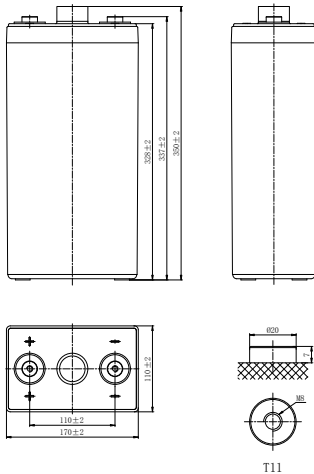


LP SERIES-GENERAL PURPOSE

LP2-250 (2V250Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	250Ah
Dimension	Length	170mm (6.69inches)
	Width	110mm (4.33inches)
	Container Height	328mm (12.9inches)
	Total Height	350mm (13.8inches)
Approx Weight	14.0kg (30.9lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3250A	
Internal Resistance (25°C)	Approx 0.9 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	
	-5mV/cell/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3% per month at 25°C (77°F). LP series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	250.5	218.2	178.5	141.1	123.5	94.9	76.9	58.5	47.1	39.7	34.5	28.0	23.4	12.6
1.80V/cell	291.3	251.4	201.8	157.8	136.7	103.9	83.7	63.3	50.7	42.8	37.0	30.0	25.0	13.3
1.75V/cell	308.1	263.8	210.9	164.2	141.7	107.4	86.2	65.0	52.0	43.8	37.8	30.5	25.4	13.4
1.70V/cell	325.6	277.6	225.2	170.4	146.9	111.0	89.0	66.9	53.3	44.7	38.6	31.1	25.8	13.6
1.67V/cell	335.9	285.5	240.7	174.3	150.0	113.0	90.5	67.9	54.0	45.3	39.0	31.4	26.0	13.7
1.60V/cell	360.0	304.0	243.5	183.3	157.3	118.0	94.3	70.4	55.8	46.7	40.1	32.2	26.6	13.9
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	481.2	420.4	344.9	273.6	240.0	185.1	150.3	114.7	92.5	78.2	68.0	55.4	46.4	25.0
1.80V/cell	553.7	479.8	386.7	303.7	263.9	201.4	162.7	123.6	99.4	84.0	72.7	59.2	49.4	26.3
1.75V/cell	579.6	498.6	400.7	313.6	271.7	206.9	166.8	126.4	101.5	85.6	74.0	60.1	50.1	26.6
1.70V/cell	605.7	519.4	424.0	323.0	279.7	212.6	171.2	129.5	103.6	87.3	75.5	61.1	50.8	27.0
1.67V/cell	620.7	530.8	449.0	328.6	284.2	215.6	173.5	131.1	104.8	88.2	76.2	61.6	51.2	27.1
1.60V/cell	653.5	556.3	450.2	341.9	295.2	223.4	179.4	135.1	107.8	90.5	78.0	62.9	52.1	27.6

LP SERIES-GENERAL PURPOSE

LP2-250 (2V250Ah)

APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS - for Telecom)

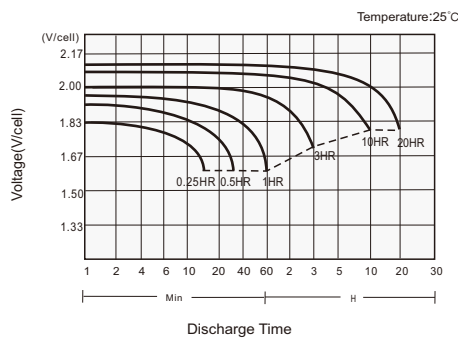
GENERAL FEATURES

- 15 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

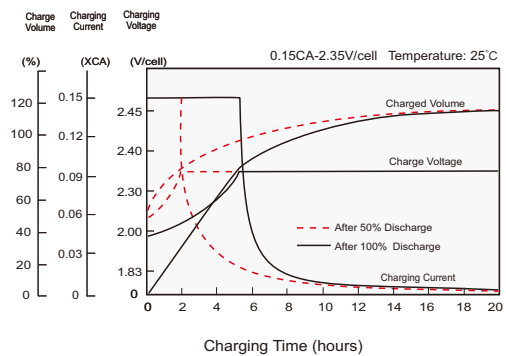
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

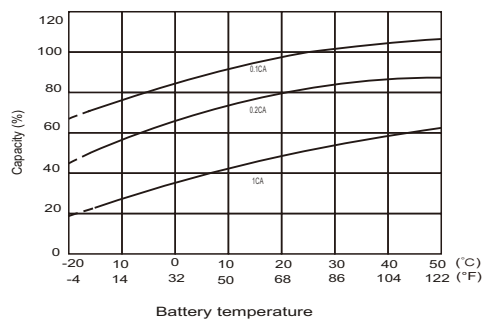
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

