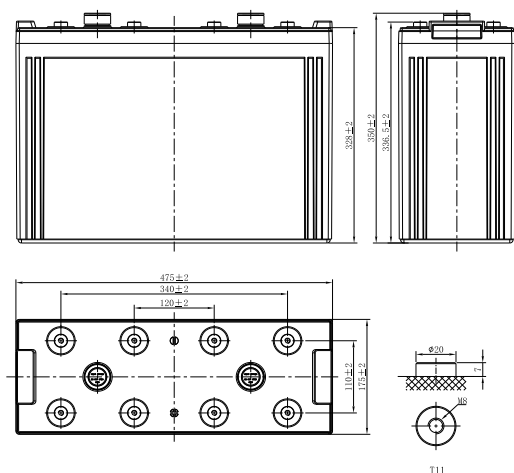


LP SERIES-GENERAL PURPOSE

LP2-1200 (2V1200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	1200Ah
Dimension	Length	475mm (18.7inches)
	Width	175mm (6.89inches)
	Container Height	328mm (12.9inches)
	Total Height	350mm (13.8inches)
Approx Weight	63.8kg (140.7lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	10800A	
Internal Resistance (25°C)	Approx 0.3 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	900.8	814.4	756.0	660.9	601.9	433.0	373.2	284.8	232.9	198.3	173.2	138.6	115.6	61.8
1.80V/cell	1118.2	990.6	868.2	728.1	629.4	473.7	390.0	298.8	243.3	206.6	180.9	144.6	120.0	64.0
1.75V/cell	1233.1	1044.3	908.5	760.9	661.7	489.6	405.6	308.8	251.5	213.0	185.2	147.5	121.6	64.3
1.70V/cell	1372.3	1169.0	967.2	800.4	679.8	506.2	421.8	318.4	257.0	216.6	188.5	150.0	123.0	65.0
1.67V/cell	1420.6	1209.5	993.8	825.3	704.2	515.3	435.6	325.6	262.5	221.3	191.8	152.3	124.4	65.7
1.60V/cell	1492.1	1260.3	1012.4	842.5	720.8	538.3	444.0	331.2	266.2	224.5	194.4	154.5	126.2	66.2
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	1658.7	1506.4	1388.3	1249.6	1164.3	844.2	725.9	556.6	456.7	390.6	342.2	275.0	229.8	123.1
1.80V/cell	2037.1	1814.5	1580.8	1365.3	1210.7	918.3	755.0	581.2	475.5	405.2	356.1	286.1	238.3	127.3
1.75V/cell	2222.9	1894.1	1639.7	1417.1	1257.7	943.4	782.0	599.1	490.0	416.3	363.4	291.1	241.1	127.7
1.70V/cell	2445.7	2098.8	1729.4	1478.9	1294.9	969.5	809.9	615.4	498.7	422.2	369.3	295.8	243.8	129.1
1.67V/cell	2514.6	2157.7	1759.8	1512.9	1333.8	983.3	832.8	626.5	507.6	429.8	374.5	299.5	246.3	130.2
1.60V/cell	2594.3	2212.8	1776.8	1532.1	1355.8	1018.7	843.6	634.0	512.5	434.2	378.5	303.3	249.4	131.0

LP SERIES-GENERAL PURPOSE

LP2-1200 (2V1200Ah)



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)

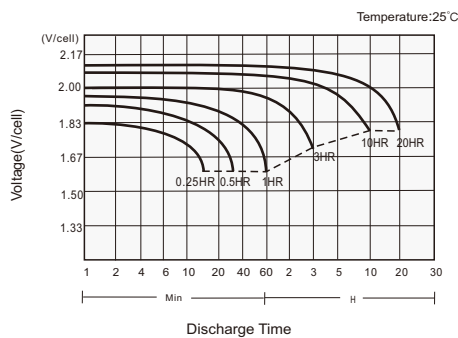
GENERAL FEATURES

- 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

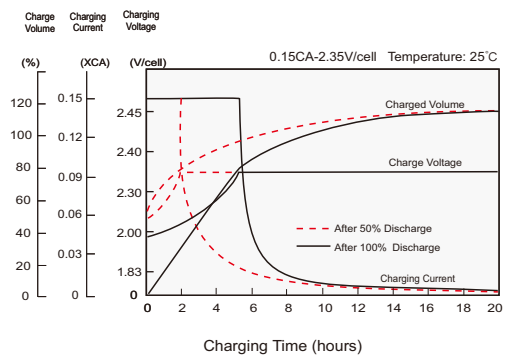
STANDARDS

- 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

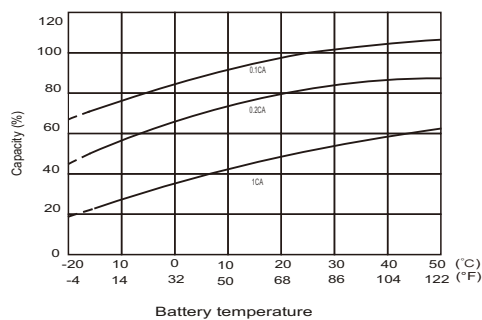
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

