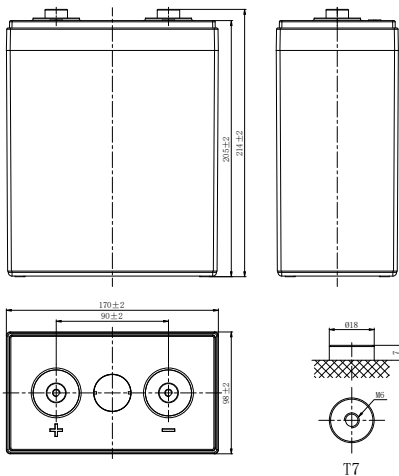


LP SERIES-GENERAL PURPOSE

LP2-150 (2V150Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ : 1.80V/cell	150Ah
Dimension	Length	170mm (6.69inches)
	Width	98mm (3.86inches)
	Container Height	205mm (8.07inches)
	Total Height	214mm (8.43inches)
Approx Weight	8.40kg (18.5lbs)	
Terminal	T7(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	2250A	
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	175.1	137.7	123.2	98.8	78.4	52.9	44.7	35.5	29.0	24.8	22.3	17.5	14.0	7.36
1.80V/cell	198.4	155.7	137.3	107.9	83.0	55.9	47.1	37.5	30.3	25.7	23.1	17.9	15.0	7.88
1.75V/cell	214.8	168.1	143.2	113.3	88.1	59.3	49.2	38.4	31.5	26.6	23.8	18.2	15.2	7.99
1.70V/cell	228.1	178.2	145.0	116.2	92.1	61.9	51.0	39.6	32.2	27.0	24.2	18.5	15.4	8.07
1.67V/cell	234.8	183.1	147.2	118.9	95.4	64.0	52.6	40.7	33.0	27.5	24.6	18.8	15.5	8.15
1.60V/cell	242.1	187.8	149.5	120.5	96.5	65.7	53.5	41.5	33.4	27.9	24.9	19.0	15.7	8.23
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	331.5	261.9	225.8	172.3	125.9	96.0	79.0	60.3	49.6	45.4	40.2	29.9	25.0	13.1
1.80V/cell	370.8	293.0	251.6	189.6	135.4	103.4	85.3	64.6	52.4	48.0	42.3	30.9	25.4	13.3
1.75V/cell	395.8	312.7	262.6	198.5	142.4	108.0	88.6	66.6	54.1	49.6	43.5	31.3	25.7	13.5
1.70V/cell	416.1	328.7	265.9	203.2	148.8	111.7	90.8	68.4	55.6	50.6	44.2	31.6	26.0	13.6
1.67V/cell	422.8	334.0	270.0	208.4	155.3	115.7	93.4	70.4	57.0	51.1	44.7	31.9	26.3	13.8
1.60V/cell	428.8	338.7	274.0	213.4	161.5	119.3	95.4	71.8	57.7	51.8	45.4	32.4	26.7	14.0

LP SERIES-GENERAL PURPOSE

LP2-150 (2V150Ah)

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)

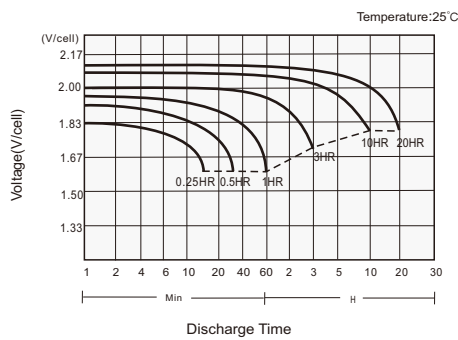
GENERAL FEATURES

- 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

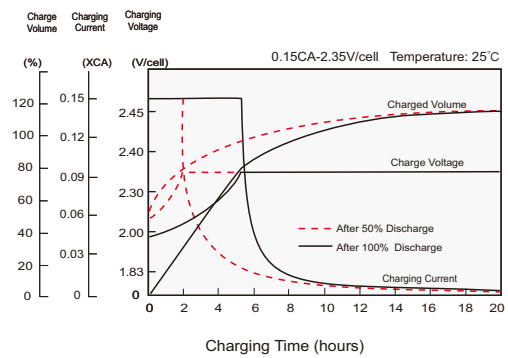
STANDARDS

- 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

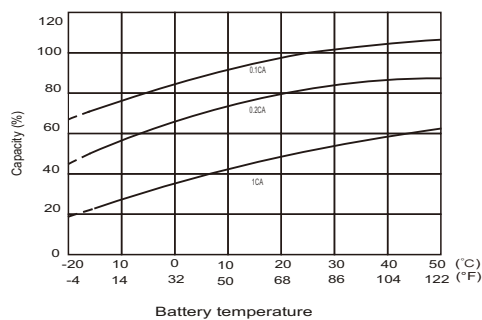
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

