



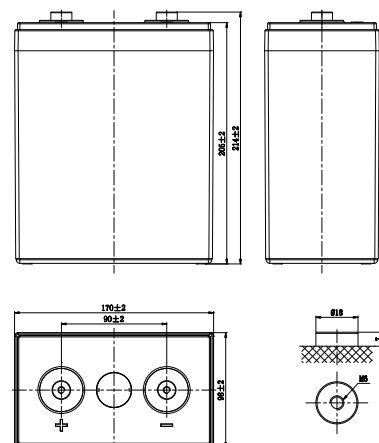
LP Series-General Purpose LP2-150(2V150Ah)

Specifications

Rated Voltage		2V
Nominal Capacity	150.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	170±2mm (6.69 inches)
	Width	98±2mm (3.86 inches)
	Container Height	205±2mm (8.07 inches)
	Total Height	214±2mm (8.43 inches)
Approx Weight		8.4 Kg (18.5 lbs)
Terminal		M6
Container Material		ABS
Rated Capacity (25°C)	157.6 Ah	(20hr, 7.88A, 1.80V/cell)
	150.0 Ah	(10hr, 15.0A, 1.80V/cell)
	133.0 Ah	(5hr, 26.6A, 1.75V/cell)
	115.2 Ah	(3hr, 38.4A, 1.75V/cell)
	96.5 Ah	(1hr, 96.5A, 1.60V/cell)
Max. Discharge Current		1200A (5s)
Internal Resistance (25°C)		Approx 0.9mΩ
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)
Cycle Use		Initial Charging Current less than 45.0A. Voltage 2.4V~2.5V at 25°C(77°F)Temp. Coefficient -5mV/°C
Standby Use		Initial Charging Current less than 45.0A. Voltage 2.25V~2.30V at 25°C(77°F)Temp. Coefficient -3mV/°C
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge		LP series batteries may be stored for 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.



Layout



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	93.0	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	98.5	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	102.1	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	104.1	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	105.7	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	107.2	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	178.8	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	188.2	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	193.8	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	196.3	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	198.1	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	199.1	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)

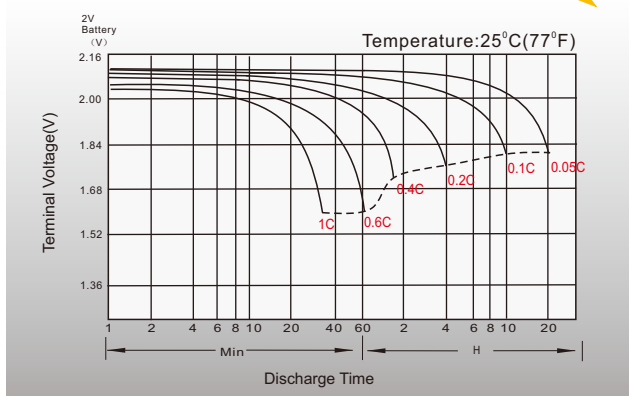
General Features

- 15 years design life(25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

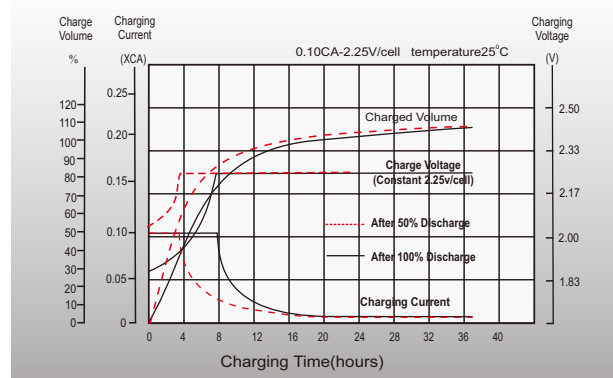
Standards

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

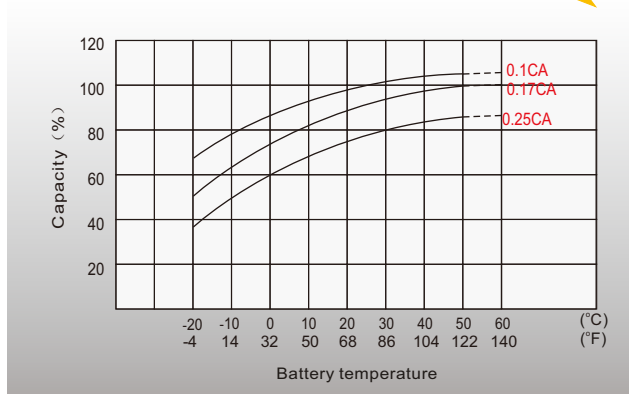
Discharge Characteristics



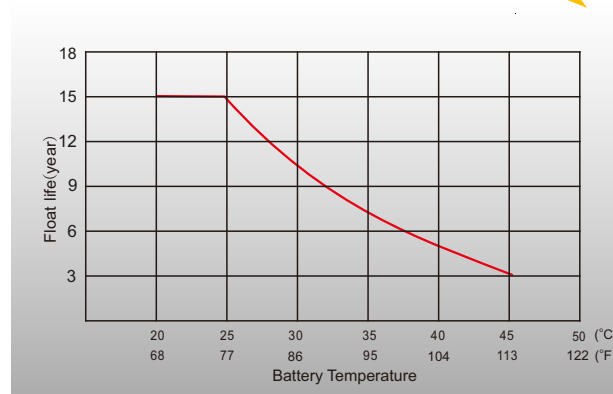
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Sales Office