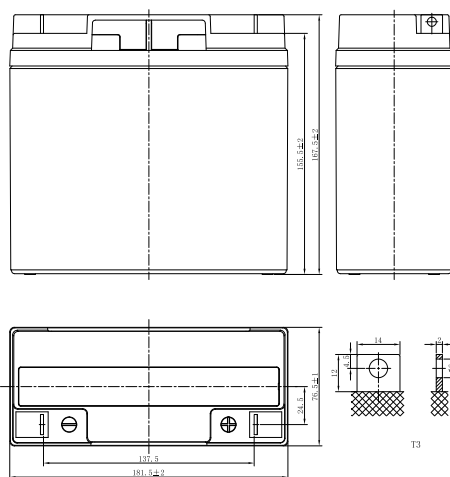


LP SERIES-GENERAL PURPOSE

LP12-15 (12V15Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ 1.75V/cell	15Ah
Dimension	Length	181.5mm (7.15inches)
	Width	76.5mm (3.01inches)
	Container Height	167.5mm (6.59inches)
	Total Height	167.5mm (6.59inches)
Approx Weight	4.70kg (10.4lbs)	
Terminal	T3/T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	420A	
Internal Resistance (25°C)	Approx 18 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	2.35-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	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	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	47.6	32.6	25.4	20.6	15.2	11.1	9.04	6.58	5.13	3.71	2.95	2.51	2.15	1.70	1.39	0.733
1.80V/cell	51.2	34.6	26.6	21.5	15.7	11.4	9.26	6.71	5.23	3.77	3.00	2.55	2.19	1.72	1.40	0.742
1.75V/cell	53.9	36.0	27.5	22.1	16.1	11.7	9.45	6.84	5.32	3.83	3.04	2.58	2.21	1.74	1.42	0.750
1.70V/cell	56.5	37.4	28.4	22.7	16.5	11.9	9.62	6.96	5.40	3.88	3.08	2.62	2.24	1.76	1.43	0.756
1.67V/cell	58.4	38.5	29.1	23.2	16.8	12.1	9.77	7.04	5.46	3.92	3.11	2.64	2.26	1.77	1.44	0.762
1.60V/cell	62.0	40.1	30.1	23.9	17.2	12.4	9.99	7.20	5.57	3.99	3.16	2.68	2.29	1.80	1.46	0.770
Constant Power Discharge (Watts/cell) at 25°C (77°F)																
F. V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	90.0	62.1	48.6	39.8	29.4	21.6	17.6	12.8	10.1	7.28	5.82	4.96	4.26	3.36	2.75	1.47
1.80V/cell	95.9	65.4	50.7	41.1	30.2	22.1	18.0	13.1	10.2	7.39	5.89	5.03	4.32	3.41	2.79	1.48
1.75V/cell	99.9	67.5	52.1	42.1	30.8	22.4	18.3	13.3	10.4	7.49	5.96	5.08	4.36	3.44	2.81	1.50
1.70V/cell	103.6	69.7	53.5	43.0	31.4	22.9	18.5	13.5	10.5	7.58	6.03	5.15	4.41	3.47	2.84	1.51
1.67V/cell	106.3	71.3	54.6	43.8	31.9	23.2	18.8	13.6	10.6	7.65	6.08	5.18	4.44	3.50	2.86	1.52
1.60V/cell	110.6	73.4	56.1	44.9	32.6	23.6	19.1	13.8	10.8	7.77	6.18	5.25	4.50	3.54	2.89	1.54

LP SERIES-GENERAL PURPOSE

LP12-15 (12V15Ah)



APPLICATIONS

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

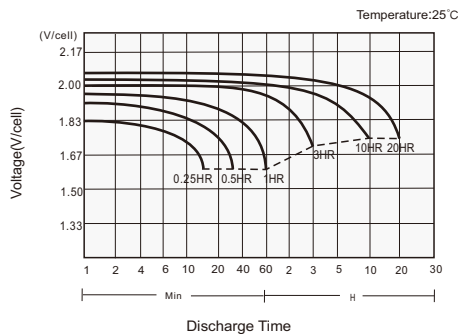
GENERAL FEATURES

- 5 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

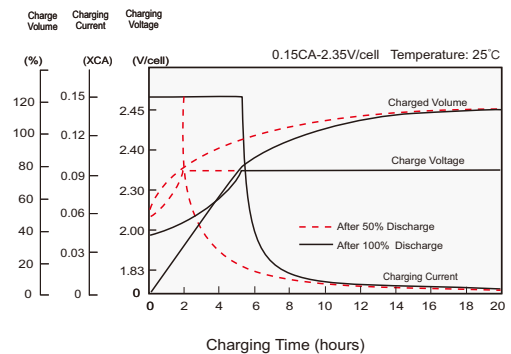
STANDARDS

- 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

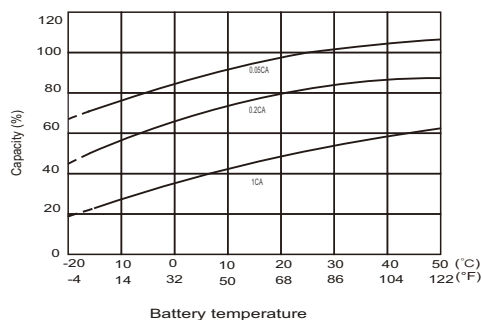
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

