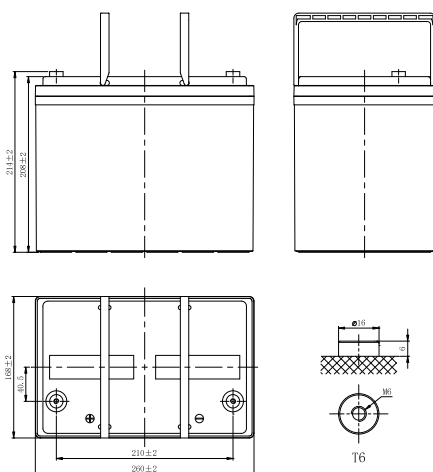


LP SERIES-GENERAL PURPOSE

LP12-75 (12V75Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₁₀ 1.80V/cell	75Ah
Dimension	Length	260mm (10.2inches)
	Width	168mm (6.61inches)
	Container Height	208mm (8.19inches)
	Total Height	214mm (8.43inches)
Approx Weight	22.3kg (49.2lbs)	
Terminal	T6(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1725A	
Internal Resistance (25°C)	Approx 6.6 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
	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	156.1	116.5	97.1	81.6	62.7	46.8	39.5	29.6	23.7	17.9	14.3	11.9	10.3	8.41	7.03	3.77
1.80V/cell	182.0	137.4	112.9	94.0	70.9	52.3	43.7	32.4	25.8	19.4	15.4	12.8	11.1	9.00	7.50	3.98
1.75V/cell	198.6	147.3	119.4	98.6	74.1	54.4	45.4	33.5	26.6	19.9	15.8	13.1	11.3	9.16	7.62	4.03
1.70V/cell	215.1	157.1	126.2	103.8	77.3	56.5	47.0	34.7	27.5	20.5	16.1	13.4	11.6	9.33	7.74	4.08
1.67V/cell	224.5	162.9	130.2	106.7	79.3	57.8	48.0	35.3	27.9	20.8	16.4	13.6	11.7	9.42	7.80	4.11
1.60V/cell	247.5	176.3	139.5	113.6	83.8	60.8	50.3	36.8	29.1	21.5	16.9	14.0	12.0	9.65	7.97	4.18

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	296.6	223.1	186.5	157.1	121.2	90.7	76.8	57.8	46.4	35.1	28.0	23.5	20.4	16.6	13.9	7.49
1.80V/cell	340.5	259.9	214.6	179.3	135.8	100.7	84.4	62.9	50.2	37.8	30.1	25.2	21.8	17.7	14.8	7.90
1.75V/cell	365.9	275.3	224.6	186.4	140.8	104.0	86.9	64.6	51.4	38.6	30.7	25.7	22.2	18.0	15.0	7.99
1.70V/cell	389.8	289.7	234.7	194.2	145.6	107.1	89.5	66.4	52.8	39.6	31.4	26.2	22.6	18.3	15.2	8.09
1.67V/cell	403.1	298.0	242.7	198.4	148.5	108.9	90.9	67.3	53.5	40.1	31.7	26.5	22.9	18.5	15.4	8.14
1.60V/cell	433.1	315.9	253.2	207.9	154.9	113.3	94.5	69.7	55.3	41.3	32.6	27.1	23.4	18.9	15.6	8.28

LP SERIES-GENERAL PURPOSE

LP12-75 (12V75Ah)



APPLICATIONS

- All purpose
- 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

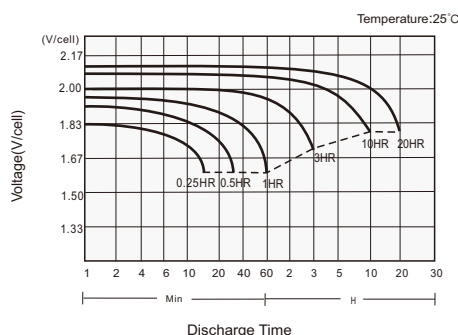
GENERAL FEATURES

- 10 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

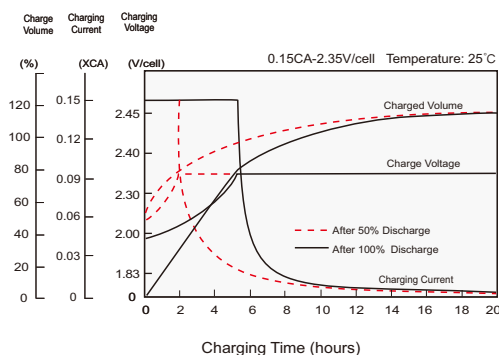
STANDARDS

- 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

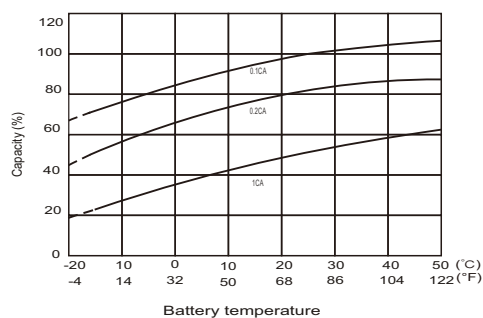
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

