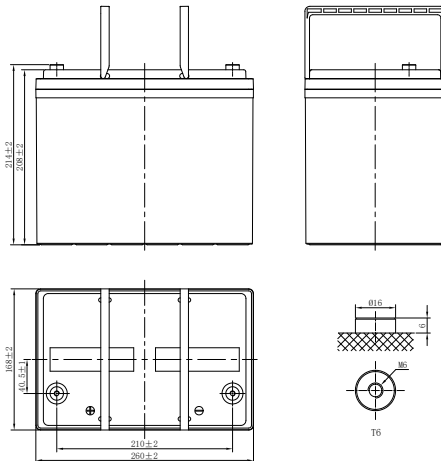


LP SERIES-GENERAL PURPOSE

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	21.4kg(47.2lbs)	
Terminal	T6(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1725A	
Internal Resistance (25°C)	Approx 7.2 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	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	144.3	107.9	89.6	75.8	58.7	44.7	38.5	29.2	23.4	17.6	14.1	11.8	10.3	8.15	6.79	3.74
1.80V/cell	168.2	127.2	104.2	87.3	66.3	49.9	42.6	31.9	25.5	19.1	15.2	12.8	11.0	8.72	7.50	3.95
1.75V/cell	183.6	136.4	110.2	91.7	69.3	52.0	44.2	33.0	26.3	19.6	15.6	13.0	11.3	8.88	7.58	4.00
1.70V/cell	198.8	145.5	116.5	96.4	72.4	53.9	45.8	34.1	27.1	20.2	16.0	13.3	11.5	9.04	7.65	4.05
1.67V/cell	207.6	150.8	120.2	99.2	74.2	55.2	46.8	34.7	27.6	20.5	16.2	13.5	11.7	9.13	7.67	4.08
1.60V/cell	228.8	163.2	128.8	105.6	78.4	58.0	49.1	36.2	28.7	21.2	16.8	13.9	12.0	9.35	7.70	4.15
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	274.2	206.5	172.2	146.0	113.4	86.6	74.9	56.8	45.8	34.6	27.7	23.3	20.3	16.1	13.4	7.44
1.80V/cell	314.8	240.6	198.1	166.7	127.1	96.1	82.3	61.8	49.6	37.3	29.8	25.0	21.7	17.2	14.3	7.85
1.75V/cell	338.3	254.9	207.4	173.2	131.7	99.3	84.8	63.5	50.8	38.1	30.4	25.5	22.1	17.5	14.5	7.94
1.70V/cell	360.4	268.3	216.7	180.4	136.3	102.2	87.3	65.3	52.2	39.0	31.1	26.0	22.5	17.7	14.7	8.03
1.67V/cell	372.7	275.9	224.1	184.4	139.0	104.0	88.7	66.2	52.9	39.5	31.4	26.3	22.8	17.9	14.8	8.09
1.60V/cell	400.4	292.5	233.8	193.2	145.0	108.2	92.1	68.6	54.7	40.7	32.3	27.0	23.3	18.3	15.1	8.23

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

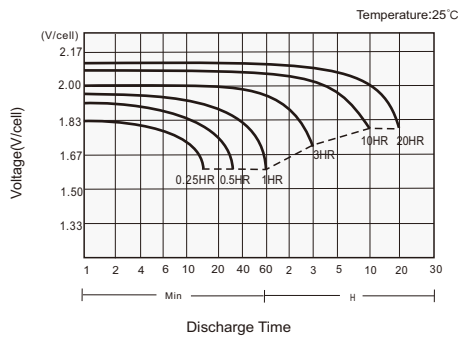
GENERAL FEATURES

- 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

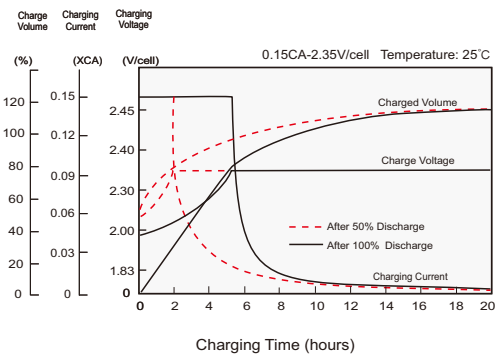
STANDARDS

- 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

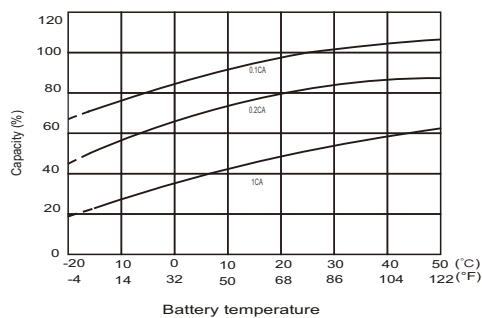
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

