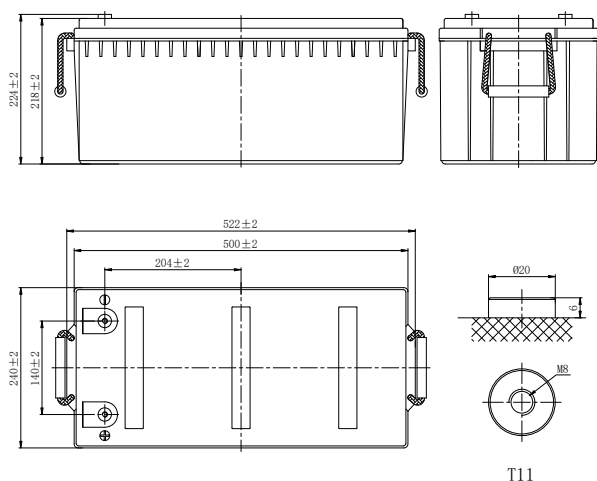


LP SERIES-GENERAL PURPOSE

LP12-200 (12V200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₁₀ 1.80V/cell	200Ah
Dimension	Length	522mm (20.6inches)
	Width	240mm (9.45inches)
	Container Height	218mm (8.58inches)
	Total Height	224mm (8.82inches)
Approx Weight	57.4kg (126.5lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3600A	
Internal Resistance (25°C)	Approx 3.2 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
	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	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	407.8	290.0	251.4	197.7	176.8	109.5	79.4	66.7	48.9	38.4	33.3	22.6	18.7	9.93
1.80V/cell	463.8	329.1	284.9	223.5	192.5	113.4	82.1	68.9	53.1	41.0	35.0	23.8	20.0	10.3
1.75V/cell	503.8	357.0	308.4	241.3	196.4	119.0	86.3	72.5	54.2	41.8	35.7	23.9	20.1	10.4
1.70V/cell	538.5	380.6	327.6	255.9	200.3	121.4	88.0	74.0	55.2	42.5	36.3	24.3	20.2	10.5
1.67V/cell	557.3	392.6	337.1	262.9	203.3	123.2	89.3	75.1	55.7	43.1	37.0	24.6	20.3	10.6
1.60V/cell	577.1	406.1	347.6	269.6	206.2	125.0	90.6	76.1	56.2	43.6	37.5	24.9	20.5	10.8
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	1h	1.5h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	761.6	545.5	476.0	376.0	337.8	211.8	153.9	129.8	95.7	75.3	65.6	44.8	37.2	19.8
1.80V/cell	852.0	610.2	532.5	420.7	364.9	218.2	158.3	133.4	103.3	80.1	68.7	47.0	38.9	20.5
1.75V/cell	909.3	651.3	568.3	449.0	369.5	227.9	165.7	139.8	105.1	81.3	69.7	47.2	39.3	20.6
1.70V/cell	955.9	684.7	597.4	472.0	373.7	231.2	168.3	142.0	106.7	82.4	70.7	47.8	39.6	20.8
1.67V/cell	971.4	695.8	607.2	479.7	376.4	233.3	169.9	143.5	107.2	83.4	71.9	48.4	40.1	21.1
1.60V/cell	985.0	705.5	615.7	486.4	378.0	235.1	171.2	144.7	107.7	84.0	72.6	48.9	40.5	21.3

LP SERIES-GENERAL PURPOSE

LP12-200 (12V200Ah)



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

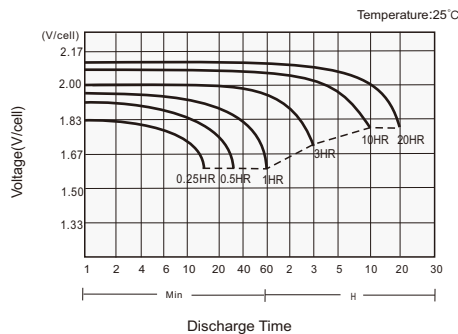
GENERAL FEATURES

- 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

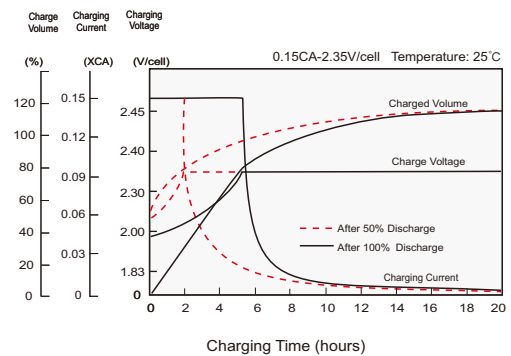
STANDARDS

- 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

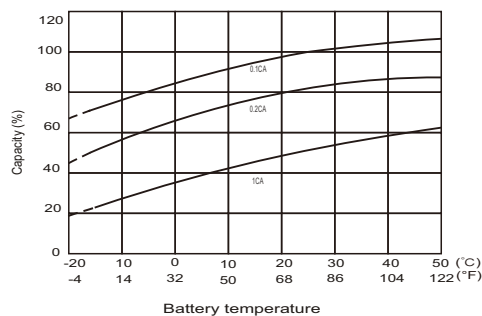
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

