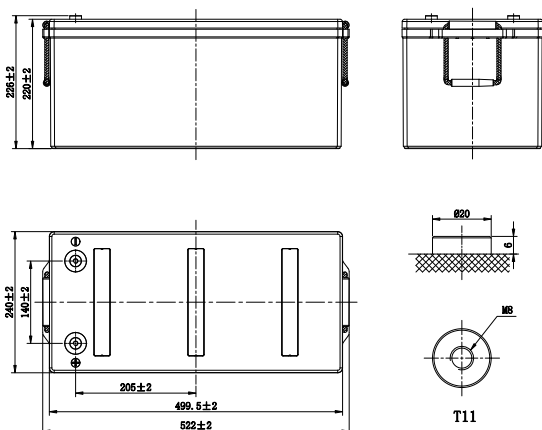


LP SERIES-GENERAL PURPOSE

LP12-225 (12V225Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₁₀ 1.80V/cell	225Ah
Dimension	Length	522mm (20.6inches)
	Width	240mm (9.45inches)
	Container Height	220mm (8.66inches)
	Total Height	226mm (8.90inches)
Approx Weight	63.5kg (140.0lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	4050A	
Internal Resistance (25°C)	Approx 2.8 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	468.3	349.6	291.2	244.7	188.1	140.3	118.6	88.9	71.2	53.7	42.8	35.7	31.0	25.2	21.1	11.3
1.80V/cell	545.9	412.2	338.6	281.9	212.6	156.9	131.2	97.3	77.4	58.1	46.1	38.5	33.3	27.0	22.5	11.9
1.75V/cell	595.7	442.0	358.2	295.8	222.2	163.3	136.1	100.6	79.8	59.6	47.3	39.4	34.0	27.5	22.8	12.1
1.70V/cell	645.2	471.4	378.5	311.3	232.0	169.5	141.1	104.0	82.4	61.4	48.4	40.3	34.7	28.0	23.2	12.2
1.67V/cell	673.6	488.7	390.5	320.1	237.9	173.3	144.0	105.8	83.7	62.3	49.1	40.8	35.1	28.3	23.4	12.3
1.60V/cell	742.5	528.8	418.5	340.9	251.3	182.3	151.0	110.5	87.2	64.6	50.7	42.0	36.1	28.9	23.9	12.5

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	889.8	669.2	559.4	471.4	363.5	272.1	230.4	173.4	139.1	105.2	84.0	70.4	61.2	49.8	41.7	22.5
1.80V/cell	1021.5	779.6	643.7	538.0	407.5	302.0	253.3	188.6	150.6	113.4	90.3	75.6	65.5	53.2	44.5	23.7
1.75V/cell	1097.7	825.8	673.8	559.1	422.3	311.9	260.8	193.8	154.3	115.9	92.2	77.0	66.6	54.1	45.1	24.0
1.70V/cell	1169.5	869.1	704.1	582.5	436.9	321.2	268.5	199.1	158.4	118.8	94.2	78.6	67.9	54.9	45.7	24.3
1.67V/cell	1209.4	894.0	728.2	595.2	445.5	326.8	272.8	201.9	160.5	120.2	95.2	79.4	68.6	55.4	46.1	24.4
1.60V/cell	1299.4	947.6	759.7	623.8	464.7	340.0	283.4	209.2	166.0	123.9	97.9	81.4	70.2	56.6	46.9	24.8

LP SERIES-GENERAL PURPOSE

LP12-225 (12V225Ah)



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

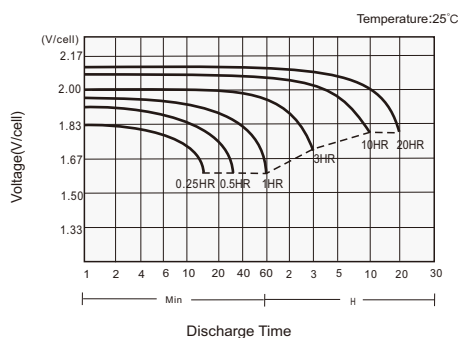
GENERAL FEATURES

- 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

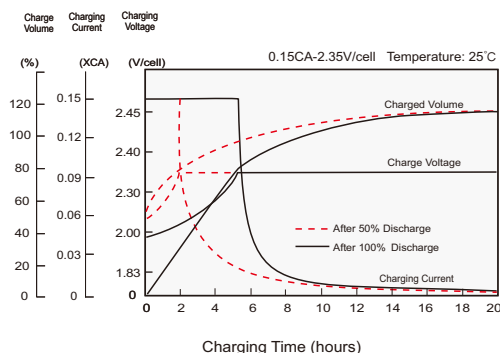
STANDARDS

- 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

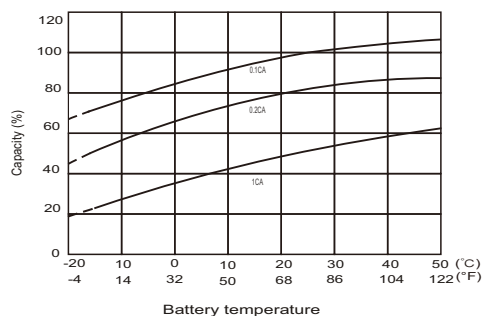
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

