



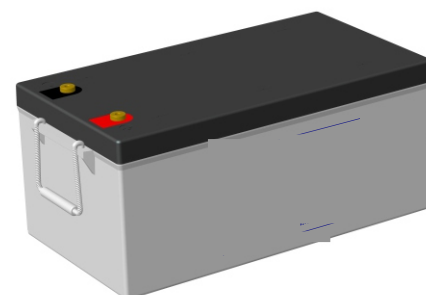
MA Series-General Purpose

MA250-12(12V250Ah)

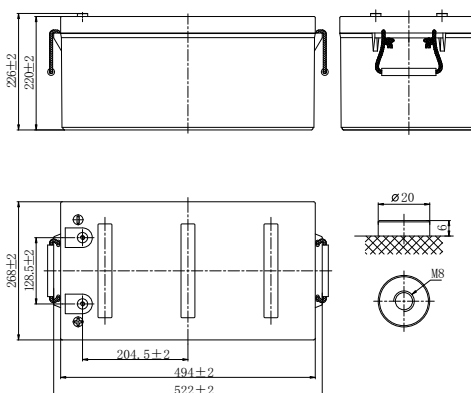


Specifications

Rated Voltage	12V	
Nominal Capacity	250.0Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	522±2mm (20.55 inches)
	Width	268±2mm (10.55 inches)
	Container Height	220±2mm (8.66 inches)
	Total Height	226±2mm (8.90 inches)
Approx Weight	70.6 Kg (155.7 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	262.0 Ah	(20hr, 13.1A, 1.80V/cell)
	250.0 Ah	(10hr, 25.0A, 1.80V/cell)
	227.5 Ah	(5hr, 45.5A, 1.75V/cell)
	207.3 Ah	(3hr, 69.1A, 1.75V/cell)
	159.4 Ah	(1hr, 159.4A, 1.60V/cell)
Max. Discharge Current	2500A (5s)	
Internal Resistance (25°C)	Approx 2.8mΩ	
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)	
Cycle Use	Initial Charging Current less than 75.0A. Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	Initial Charging Current less than 75.0A. Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	LP series batteries may be stored for 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.	



Layout



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	362.5	320.7	252.2	225.5	164.9	139.7	101.2	85.1	62.4	49.0	42.5	37.5	28.8	23.9	12.7
1.80V/cell	411.4	363.4	285.1	245.5	174.7	144.7	104.7	87.9	67.8	52.3	44.7	40.3	30.3	25.0	13.1
1.75V/cell	446.2	393.4	307.8	250.5	181.0	151.8	110.0	92.5	69.1	53.3	45.5	40.6	30.5	25.3	13.3
1.70V/cell	475.7	417.8	326.4	255.5	184.6	154.8	112.2	94.4	70.4	54.2	46.3	40.8	30.9	25.5	13.4
1.67V/cell	490.8	430.0	335.3	259.3	187.3	157.1	113.9	95.7	71.1	55.0	47.2	41.0	31.4	25.8	13.6
1.60V/cell	507.6	443.4	343.9	263.0	190.1	159.4	115.5	97.1	71.7	55.7	47.9	41.3	31.8	26.1	13.7

Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	641.2	582.9	460.5	413.7	304.4	259.3	188.4	158.9	117.1	92.3	80.4	71.1	54.9	45.6	24.2
1.80V/cell	717.3	652.0	515.0	446.8	320.3	267.2	193.9	163.3	126.5	98.1	84.2	76.0	57.6	47.6	25.1
1.75V/cell	765.6	695.9	549.7	452.4	329.9	279.1	202.9	171.2	128.6	99.6	85.3	76.4	57.7	48.1	25.2
1.70V/cell	804.8	731.5	577.9	457.6	334.2	283.1	206.0	174.0	130.7	101.0	86.5	76.7	58.6	48.5	25.5
1.67V/cell	817.9	743.4	587.3	460.9	337.2	285.7	208.0	175.7	131.3	102.1	88.0	76.8	59.2	49.1	25.8
1.60V/cell	829.4	753.9	595.6	462.8	338.9	287.8	209.7	177.1	131.8	102.9	88.9	77.1	59.9	49.5	26.0



MA Series-General Purpose MA250-12(12V250Ah)



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

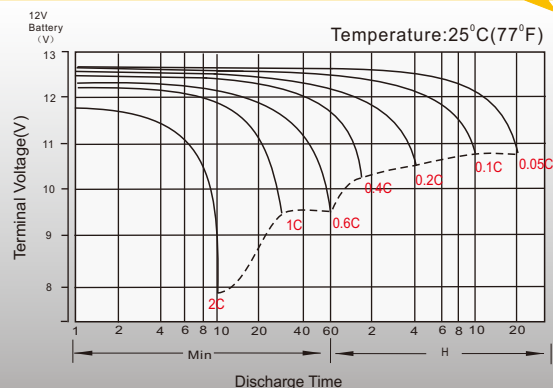
General Features

- 10 years design life(25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

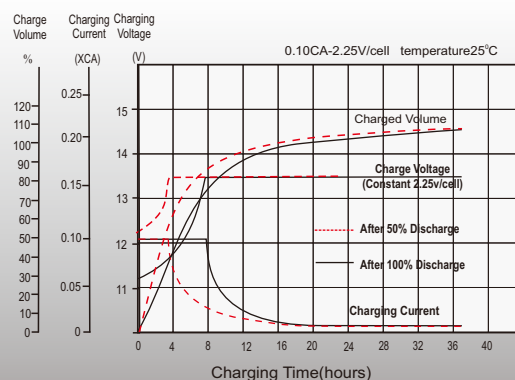
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

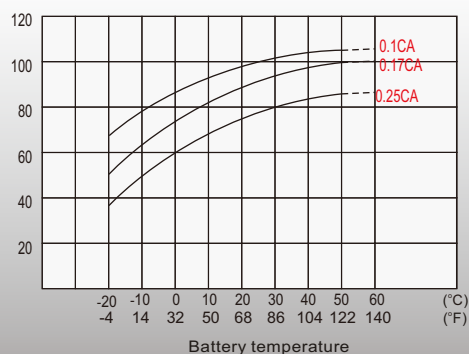
Discharge Characteristics



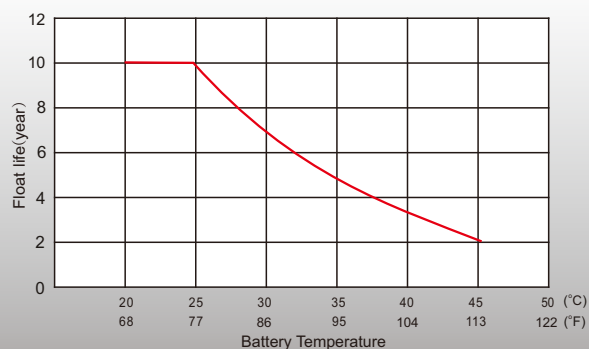
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



TELÉFONOS DE ATENCIÓN
AL CLIENTE

Línea Nacional:

☎ 018000 510 606

coexito@coexito.com.co