



# PLX-Pure Lead High Rate

## PLX12-330 (12V330W)



### Specifications

Rated Voltage	12V	
Nominal Rate ( $W_{15}, 1.67V/cell$ )	330W	
Nominal Capacity( $C_{10}, 1.80V/cell$ )	80Ah	
Dimension	Length	260±2mm (10.24 inches)
	Width	168±2mm (6.61 inches)
	Container Height	208±2mm (8.19 inches)
	Total Height	211±2mm (8.31 inches)
Approx. Weight	25.6 Kg (56.4 lbs)	
Terminal	M6	
Container Material	PC-ABS flame retardant jar and cover to UL94 V-0	
Max. Discharge Current	960A	
Internal Resistance (25°C)	Approx. 3.80mΩ(Fully charged)	
Operating Temp.Range	Discharge	-40 ~ 65°C (-40 ~ 149°F)
	Charge	0 ~ 54°C (32 ~ 129°F)
	Storage	-20 ~ 40°C (-4 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current(25°C)	24.0A	
Charge voltage(25°C)	Float	13.62V
	Temp. Coefficient	-3mV/cell/°C
	Equalization	14.1~14.4V
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

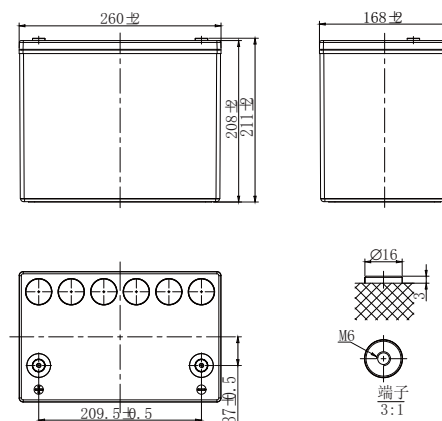
#### Self Discharge

PLX series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter.

Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.



### Layout



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	221.8	157.9	133.2	116.6	86.7	64.3	51.6	28.8	20.6	16.6	14.1	9.54	7.84	4.08
1.80V/cell	246.7	182.1	148.4	127.4	92.6	67.6	53.7	30.2	21.5	17.2	14.7	9.86	8.00	4.16
1.75V/cell	273.6	199.3	160.8	136.0	98.6	69.5	55.2	31.0	22.1	17.7	15.0	10.0	8.11	4.21
1.70V/cell	300.5	215.5	171.1	143.0	102.4	72.0	57.4	31.5	22.5	18.0	15.3	10.1	8.21	4.25
1.67V/cell	317.8	227.0	180.4	148.5	106.5	74.8	58.6	32.0	22.8	18.2	15.4	10.2	8.27	4.28
1.60V/cell	343.7	230.9	186.5	152.7	108.6	76.0	59.6	32.5	23.1	18.4	15.6	10.3	8.32	4.31

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	432.1	308.9	262.0	230.5	172.3	128.4	103.3	58.0	41.7	33.6	28.7	19.5	16.1	8.44
1.80V/cell	472.0	352.6	289.1	249.5	182.6	133.9	106.8	60.2	43.2	34.7	29.8	20.1	16.4	8.56
1.75V/cell	518.2	382.3	310.5	263.8	192.5	136.5	109.0	61.5	44.1	35.5	30.3	20.3	16.5	8.62
1.70V/cell	550.2	408.8	326.4	274.6	197.8	140.0	112.3	62.0	44.6	35.8	30.5	20.4	16.6	8.66
1.67V/cell	600.0	427.4	330.0	283.5	204.8	144.6	114.2	62.8	44.9	36.1	30.7	20.5	16.7	8.68
1.60V/cell	650.5	430.5	350.1	288.6	206.6	145.6	115.0	63.2	45.0	36.2	30.7	20.5	16.7	8.7



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### Applications

- UPS
- Emergency lighting
- Emergency power supply
- Electrical starting
- Power tools

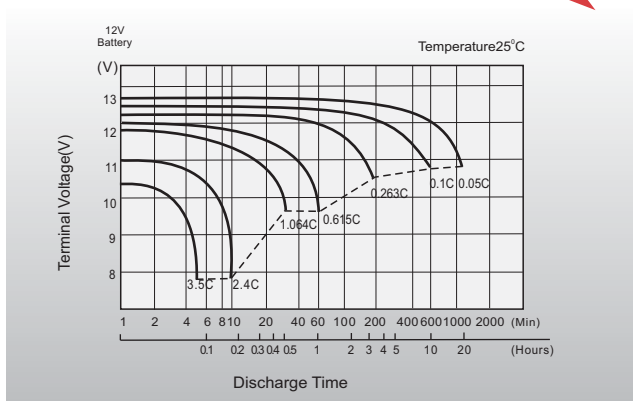
### General Features

- 15 years design life(25°C)
- Premium ABS+PC jar & covers, Flame Retardant to UL94 V-0
- High-rate performance, high energy density
- High quality AGM separators minimize electrical resistance to allow high current discharging properties

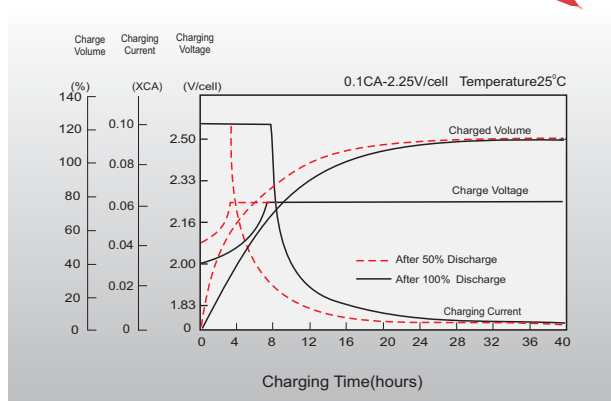
### Standards

- Classified as "Very Long Life" according to Eurobat
- CE, UL Certified
- Manufactured in Leoch@IATF16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

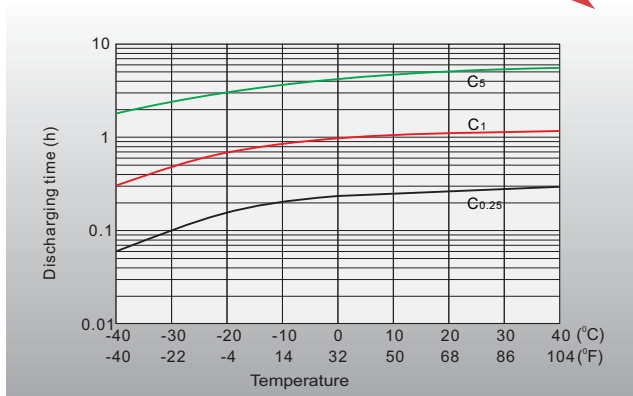
### Discharge Characteristics



### Float Charging Characteristics



### Effects of Temperature on Discharging Time



### Self-discharge Characteristics

