



PLX-Pure Lead High Rate

PLX12-730 (12V730W)



Specifications

Rated Voltage	12V		
Nominal Rate ($W_{15}, 1.67V/cell$)	730W		
Nominal Capacity ($C_{10}, 1.80V/cell$)	200Ah		
Dimension	Length	571±2mm (22.5 inches)	
	Width	125±2mm (4.92 inches)	
	Container Height	320±2mm (12.6 inches)	
	Total Height	320±2mm (12.6 inches)	
Approx. Weight	61.0kg (134.2 lbs)		
Terminal	M6		
Container Material	PC-ABS flame retardant jar and cover to UL94 V-0		
Max. Discharge Current	2400A		
Internal Resistance (25°C)	Approx. 3.0mΩ(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±5°C (77±5°F)		
Max.Charging Current(25°C)	60A		
Charge voltage(25°C) Nominal Operating Temp. Range	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%	

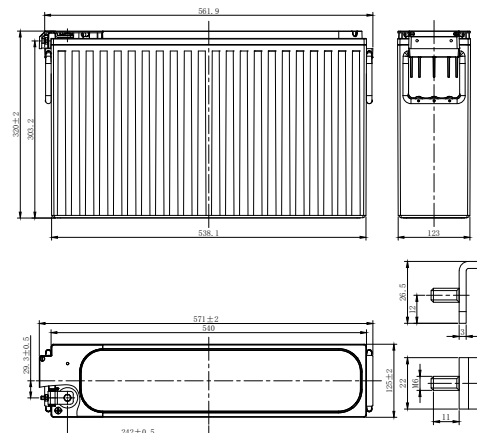
Self Discharge

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



Unit: mm

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	431.2	356.4	312.0	268.2	202.8	149.6	118.4	68.3	49.3	38.7	32.3	22.5	19.4	10.1
1.80V/cell	495.3	398.4	348.0	296.4	218.8	159.2	125.1	70.7	51.2	40.0	33.4	23.3	20.0	10.4
1.75V/cell	539.6	429.6	370.4	316.2	232.4	167.2	131.1	72.3	52.2	41.1	34.2	23.7	20.3	10.6
1.70V/cell	591.4	460.2	389.6	330.0	243.6	174.4	135.4	74.2	53.4	41.9	34.8	24.1	20.5	10.7
1.67V/cell	707.5	487.2	402.2	343.2	252.2	180.0	137.0	75.6	54.0	42.2	35.3	24.5	20.6	10.8
1.60V/cell	724.3	513.6	419.5	352.2	259.8	185.1	140.2	76.8	54.3	42.6	35.6	24.6	20.8	10.9

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	803.0	679.3	602.4	522.0	397.5	295.9	234.9	136.4	98.6	77.8	65.1	45.8	39.4	20.5
1.80V/cell	914.4	750.9	668.5	573.2	426.1	312.6	246.4	140.4	101.9	80.0	66.9	46.8	40.5	21.2
1.75V/cell	987.4	804.2	707.1	605.8	448.7	326.0	256.5	142.9	103.6	81.6	68.2	47.7	41.1	21.5
1.70V/cell	1054.0	848.2	724.8	626.3	466.6	337.9	263.7	146.1	105.5	83.1	69.3	48.5	41.4	21.7
1.67V/cell	1080.1	868.6	730.0	644.6	484.2	346.8	265.2	148.1	106.3	83.5	70.0	49.1	41.5	21.8
1.60V/cell	1145.8	886.9	736.5	654.3	500.0	353.1	269.4	149.5	106.8	83.9	70.3	49.2	41.8	21.9



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Applications

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

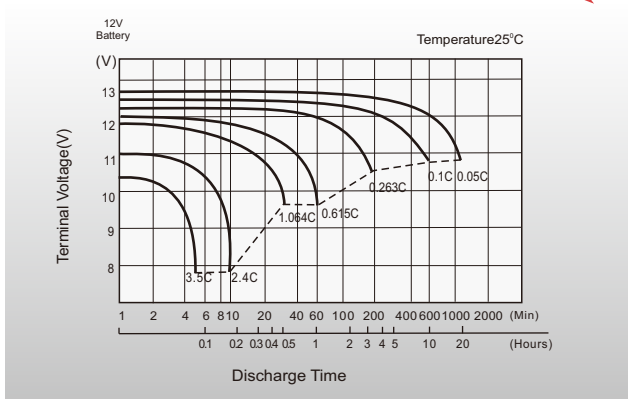
General Features

- 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

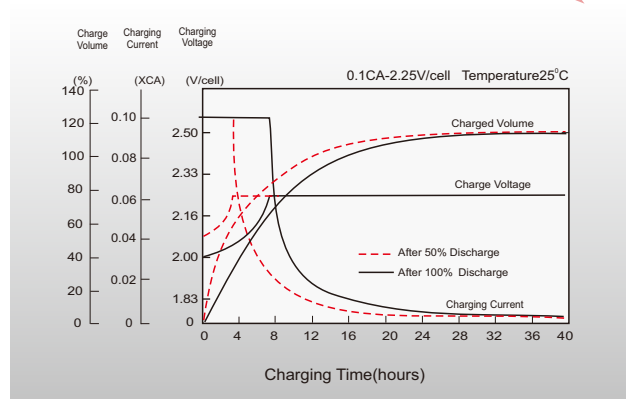
Standards

- 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

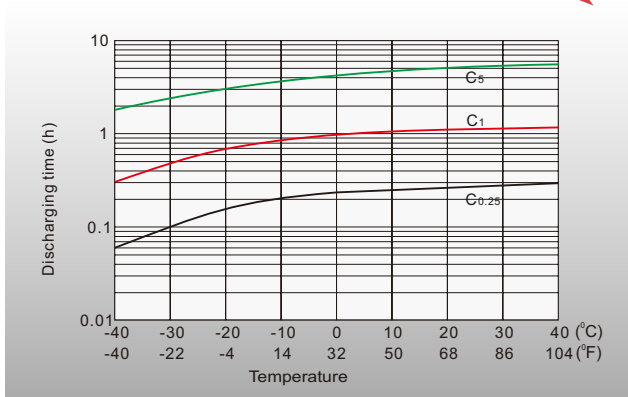
Discharge Characteristics



Float Charging Characteristics



Effects of Temperature on Discharging Time



Self-discharge Characteristics

