



PLX-Pure Lead High Rate

PLX12-260FT(A) (12V260W)

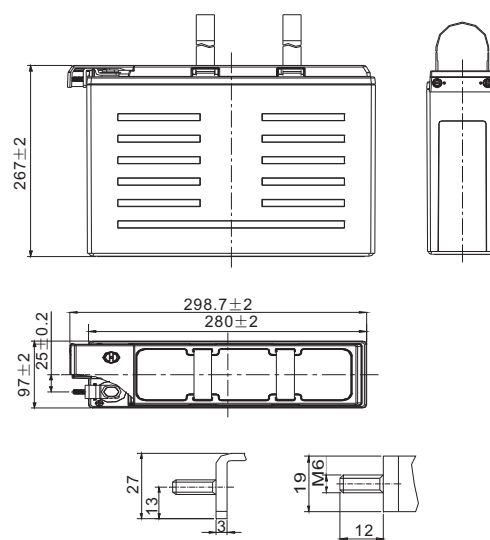


Specifications

Rated Voltage	12V	
Nominal Rate ($W_{15}, 1.67V/cell$)	260 W	
Nominal Capacity($C_{10}, 1.80V/cell$)	62Ah	
Dimension	Length	298.7±2mm (11.76 inches)
	Width	97±2mm (3.82 inches)
	Container Height	267±2mm (10.5 inches)
	Total Height	267±2mm (10.5 inches)
Approx. Weight	19.9 Kg (43.87 lbs)	
Terminal	M6	
Container Material	PC-ABS flame retardant jar and cover to UL94 V-0	
Rated Capacity (25°C)	64.4 Ah	(20hr, 3.22A, 1.80V/cell)
	62.0 Ah	(10hr, 6.20A, 1.80V/cell)
	54.0 Ah	(5hr, 10.8A, 1.75V/cell)
	49.8 Ah	(3hr, 16.6A, 1.75V/cell)
	44.0 Ah	(1hr, 44.0A, 1.67V/cell)
Max. Discharge Current	744A	
Internal Resistance (25°C)	Approx. 4.7mΩ(Fully charged)	
Operating Temp.Range	Discharge	-40 ~ 65°C (-40 ~ 149°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-20 ~ 40°C (-4 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current(25°C)	18.6A	
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	<p>PLX series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter.</p> <p>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.</p>	



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	173.0	124.5	106.1	86.5	65.7	48.5	38.6	21.8	15.5	12.2	10.2	7.10	6.05	3.16
1.80V/cell	202.9	142.6	117.5	94.5	70.2	51.0	40.3	22.8	16.3	12.8	10.6	7.30	6.20	3.22
1.75V/cell	226.9	155.6	126.9	100.8	74.7	53.2	41.8	23.5	16.6	13.1	10.8	7.42	6.27	3.26
1.70V/cell	247.4	167.8	134.7	106.0	77.5	55.1	42.9	23.8	16.9	13.3	11.0	7.59	6.34	3.29
1.67V/cell	265.8	176.5	141.9	110.1	80.6	56.9	44.0	24.2	17.2	13.5	11.2	7.67	6.41	3.32
1.60V/cell	282.4	186.8	149.0	115.0	82.6	58.1	44.8	24.6	17.3	13.6	11.3	7.71	6.41	3.34

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	324.2	239.0	205.9	168.3	128.8	96.0	76.6	43.5	31.2	24.7	20.7	14.4	12.3	6.45
1.80V/cell	376.1	271.0	226.7	182.7	136.7	100.2	79.4	45.3	32.5	25.7	21.5	14.8	12.6	6.57
1.75V/cell	415.3	292.3	242.2	193.2	144.2	103.8	81.8	46.4	33.2	26.2	21.9	15.0	12.7	6.61
1.70V/cell	448.8	311.2	254.5	201.2	148.4	106.8	83.4	46.9	33.7	26.6	22.2	15.3	12.8	6.65
1.67V/cell	451.9	323.0	260.0	206.8	155.0	109.7	85.2	47.5	34.0	26.9	22.4	15.4	12.9	6.70
1.60V/cell	465.9	336.9	266.5	213.6	159.1	110.9	86.0	47.9	34.2	27.0	22.6	15.5	12.9	6.74



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Applications

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

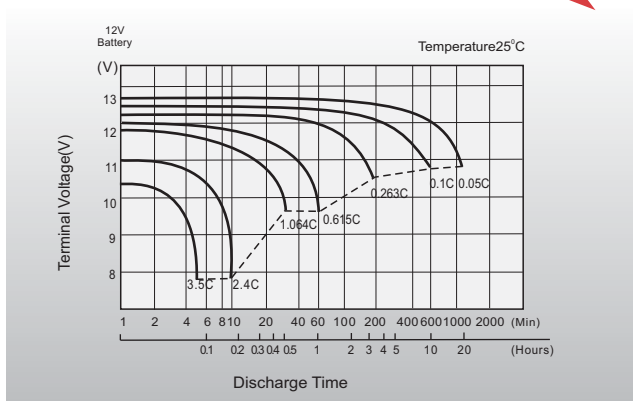
General Features

- 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

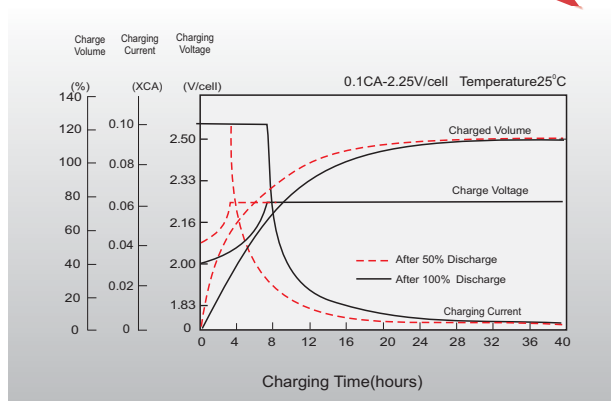
Standards

- Compliance with IEC 60896 standard
- 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

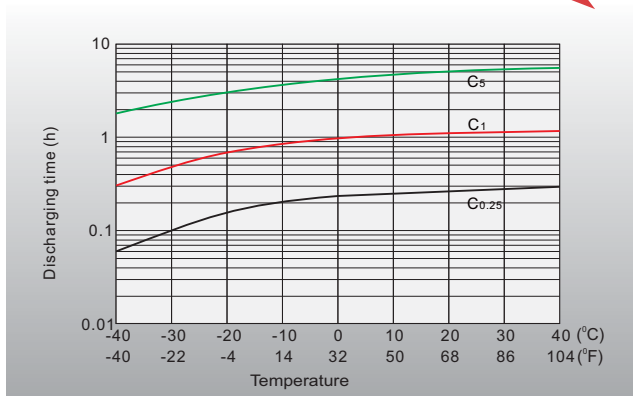
Discharge Characteristics



Float Charging Characteristics



Effects of Temperature on Discharging Time



Self-discharge Characteristics

