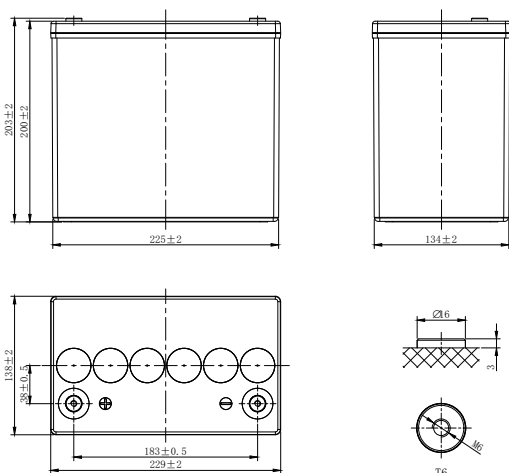


PLX-PURE LEAD HIGH RATE

PLX12-240 (12V240W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	240W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	50Ah
Dimension	Length	229mm(9.02inches)
	Width	138mm(5.43inches)
	Container Height	200mm(7.87inches)
	Total Height	203mm(7.99inches)
Approx Weight	16.9kg(37.3lbs)	
Terminal	T6(M6)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	1100A	
Internal Resistance (25°C)	Approx 5.8 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-40~65°C (-40~149°F)
	Charge	-20~54°C (-4~129°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Float Charge	Equalization Charge
	2.27±0.02V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-4mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	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.

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	8h	10h	20h
1.85V/cell	198.0	138.0	106.0	90.0	68.0	50.0	38.5	25.8	19.5	13.3	10.3	8.55	5.86	4.88	2.51
1.80V/cell	219.0	147.0	113.0	95.0	71.0	52.0	40.0	26.8	20.3	13.7	10.6	8.82	6.02	5.00	2.61
1.75V/cell	241.0	162.0	123.0	101.0	75.0	53.0	42.0	28.3	21.5	14.2	10.8	9.00	6.13	5.10	2.67
1.70V/cell	260.0	172.0	130.0	108.0	77.0	55.0	43.0	28.8	21.6	14.5	11.1	9.21	6.26	5.18	2.72
1.67V/cell	279.0	182.0	135.0	109.0	79.0	56.0	43.5	29.3	22.1	14.8	11.3	9.39	6.38	5.29	2.77
1.60V/cell	295.0	189.0	141.0	111.0	80.0	57.0	44.0	29.5	22.3	15.0	11.6	9.60	6.54	5.40	2.84
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	8h	10h	20h
1.85V/cell	239.0	191.2	179.3	157.1	117.5	91.6	73.7	50.7	39.2	28.7	22.2	18.3	12.7	10.7	5.48
1.80V/cell	422.8	284.8	218.5	182.8	142.0	102.0	76.5	52.3	40.2	29.4	22.6	18.8	12.8	10.8	5.65
1.75V/cell	455.0	304.5	231.2	193.5	149.2	106.3	79.8	54.4	41.8	30.4	23.1	19.3	13.0	11.0	5.76
1.70V/cell	480.2	315.3	238.3	198.8	153.2	108.8	81.3	55.5	42.6	30.9	23.5	20.2	13.2	11.1	5.82
1.67V/cell	499.8	324.3	240.0	200.7	155.5	110.0	82.7	56.3	43.2	31.4	24.0	20.3	13.4	11.2	5.90
1.60V/cell	514.2	329.7	245.5	204.3	157.3	111.5	83.8	57.1	43.9	31.5	24.0	20.4	13.6	11.3	5.99

PLX-PURE LEAD HIGH RATE

PLX12-240 (12V240W)

APPLICATIONS

- UPS
- Emergency lighting
- Emergency Power supply
- Electric starting
- Power tools

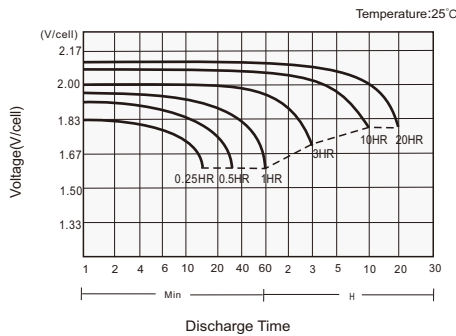
GENERAL FEATURES

- 15 years design life (25°C)
- Utilizes pure lead technology, thin positive grids and unique manufacturing process to maximize corrosion resistance and service life while increasing energy density
- Specifically designed for high-rate discharge applications
- Wide Wpc range of front and top terminal monoblocs
- UL 94 V-0 Case and cover heat sealed and 100% tested to prevent leaks

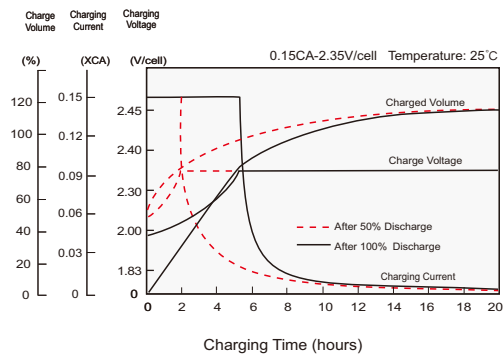
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- CE,UL Approved
- Manufactured in Leoch®IATF 16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

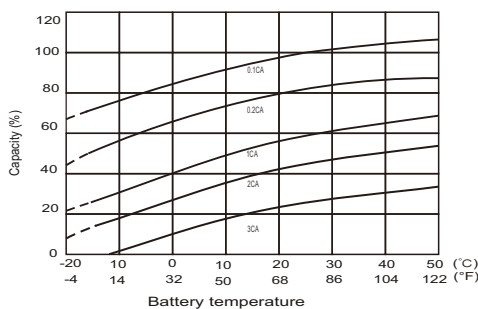
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

