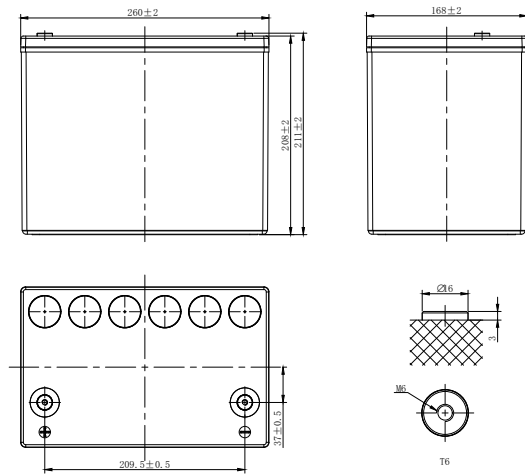


PLX-PURE LEAD HIGH RATE

PLX12-330 (12V330W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	330W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	80Ah
Dimension	Length	260mm(10.2inches)
	Width	168mm(6.61inches)
	Container Height	208mm(8.19inches)
	Total Height	211mm(8.31inches)
Approx Weight		25.3kg(55.8lbs)
Terminal		M6/M8
Container Material		PC-ABS (UL94 V-0)
Short-circuit current		1760A
Internal Resistance (25°C)		Approx 4.5 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	233.0	173.8	141.0	115.3	87.7	62.9	51.4	36.6	29.3	20.8	16.3	13.6	9.26	7.94	4.04
1.80V/cell	260.2	189.3	151.2	124.4	92.3	66.1	53.1	37.7	30.3	21.5	16.8	14.0	9.53	8.00	4.13
1.75V/cell	310.1	213.1	166.6	134.2	99.1	69.3	54.5	38.9	31.2	22.1	17.2	14.3	9.73	8.18	4.20
1.70V/cell	349.2	226.5	172.4	141.6	103.1	71.1	56.1	39.7	31.6	22.5	17.7	14.7	9.87	8.28	4.26
1.67V/cell	370.4	232.7	201.9	148.5	104.4	73.2	57.7	40.6	32.2	23.0	17.9	14.9	10.0	8.42	4.33
1.60V/cell	389.6	240.6	184.6	156.1	106.4	75.0	59.1	41.5	32.8	23.3	18.4	15.2	10.2	8.47	4.38
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	463.4	373.2	281.3	230.8	172.4	121.1	102.3	73.2	58.8	42.1	33.0	27.5	19.0	15.9	8.33
1.80V/cell	502.0	388.1	296.6	242.3	179.2	126.1	104.4	74.8	60.3	43.1	33.9	28.2	19.4	16.2	8.47
1.75V/cell	541.8	408.5	316.0	258.0	190.5	130.7	106.0	76.5	61.6	43.9	34.4	28.7	19.7	16.4	8.57
1.70V/cell	583.3	424.1	326.8	265.0	193.5	132.9	107.7	77.4	62.2	44.5	35.0	29.2	19.9	16.6	8.66
1.67V/cell	621.9	440.3	330.0	269.0	197.3	134.7	109.8	78.6	62.9	45.1	35.5	29.5	20.1	16.8	8.77
1.60V/cell	652.3	450.9	335.7	272.2	199.1	135.8	110.5	79.2	63.5	45.3	35.8	29.8	20.3	16.9	8.78

PLX-PURE LEAD HIGH RATE

PLX12-330 (12V330W)



APPLICATIONS

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

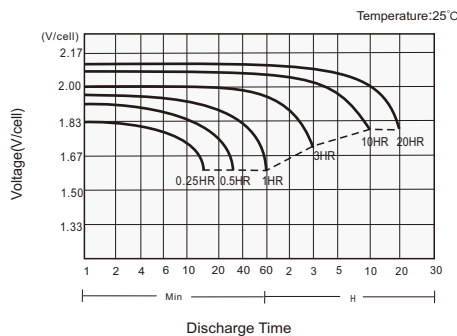
GENERAL FEATURES

- 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

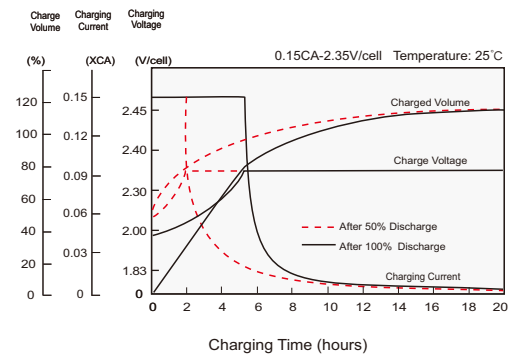
STANDARDS

- 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

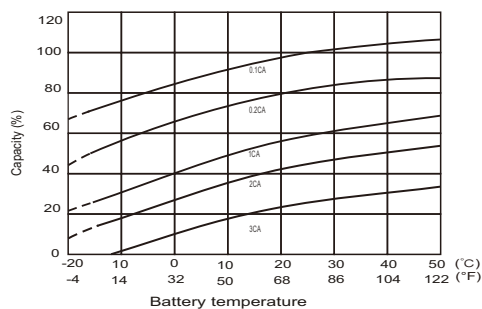
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

