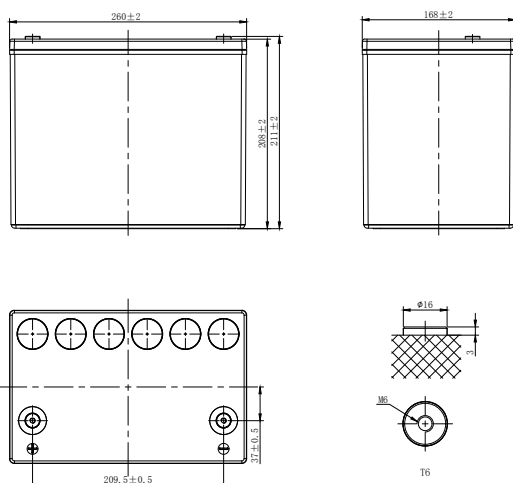


PLX-PURE LEAD HIGH RATE

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	25.6kg (56.4lbs)	
Terminal	T6(M6)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	1760A	
Internal Resistance (25°C)	Approx 4.2 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)	Standby Use	Equalization Use
	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	221.8	157.9	133.2	116.6	86.7	64.3	51.6	36.4	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	38.0	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	39.1	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	40.1	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	40.9	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	41.5	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	1.5h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	432.1	308.9	262.0	230.5	172.3	128.4	103.3	73.1	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	75.7	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	77.3	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	78.8	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	79.9	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	80.5	63.2	45.0	36.2	30.7	20.5	16.7	8.70

PLX-PURE LEAD HIGH RATE

PLX12-330 (12V330W)



APPLICATIONS

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

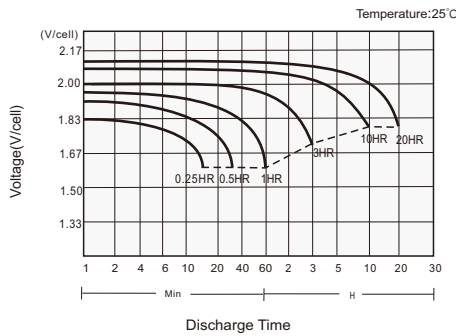
GENERAL FEATURES

- 15 years design life (25°C)
- Utilizes TPPL 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

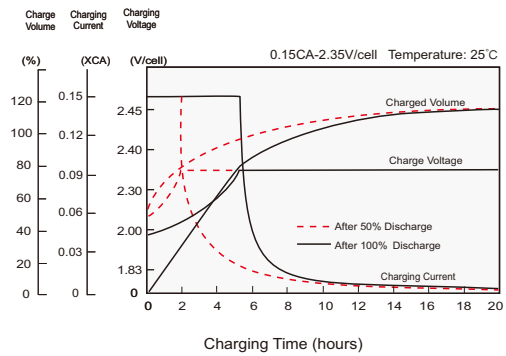
STANDARDS

- 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

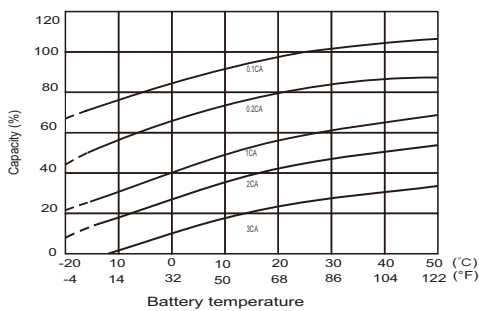
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

