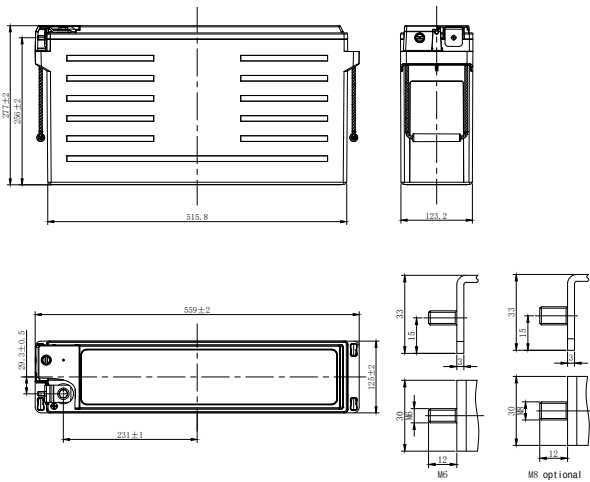


PLX-PURE LEAD HIGH RATE

PLX12-620FT(A) (12V620W)



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	620W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	150Ah
Dimension	Length	559mm (22.0inches)
	Width	125mm (4.92inches)
	Container Height	277mm (10.9inches)
	Total Height	277mm (10.9inches)
Approx Weight		48.5kg (106.9lbs)
Terminal		M6 (M8 optional)
Container Material		PC-ABS (UL94 V-0)
Short-circuit current		3300A
Internal Resistance (25°C)		Approx 3.6 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 timeinterval 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	376.6	292.5	249.7	218.6	162.6	124.5	98.3	68.8	54.1	39.2	31.0	24.9	17.9	14.7	7.69
1.80V/cell	433.6	337.2	278.3	238.8	173.7	130.7	102.2	71.8	56.6	40.9	32.3	26.1	18.5	15.0	7.95
1.75V/cell	474.0	369.1	301.5	254.9	184.8	136.2	106.0	74.1	58.2	41.9	33.2	26.7	18.8	15.2	8.07
1.70V/cell	510.7	399.1	320.8	268.1	191.9	141.0	108.6	75.5	59.0	42.7	33.7	27.1	19.0	15.4	8.14
1.67V/cell	570.0	420.4	338.3	278.5	199.7	145.5	111.4	77.2	60.1	43.2	34.2	27.4	19.2	15.5	8.20
1.60V/cell	614.3	445.5	355.8	290.7	202.1	148.4	113.2	78.4	61.0	43.7	34.6	27.7	19.4	15.6	8.25
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	705.8	561.5	484.7	425.3	318.6	246.3	194.9	137.0	108.0	78.3	62.3	50.2	36.2	29.8	15.7
1.80V/cell	803.7	640.6	536.7	461.8	338.3	256.6	201.6	142.1	112.3	81.4	64.5	52.2	37.3	30.4	16.2
1.75V/cell	867.8	693.4	575.5	488.4	357.0	265.7	207.5	145.8	114.9	83.0	66.0	53.3	37.8	30.7	16.4
1.70V/cell	926.3	740.1	606.3	508.8	367.6	273.1	211.3	147.9	116.2	84.3	66.8	53.9	38.0	31.0	16.5
1.67V/cell	950.0	769.4	620.0	523.1	384.0	280.3	215.7	150.4	117.7	85.0	67.5	54.3	38.3	31.1	16.5
1.60V/cell	1007.0	803.7	636.2	540.2	389.0	283.1	217.5	151.6	118.6	85.4	67.9	54.8	38.5	31.3	16.6

PLX-PURE LEAD HIGH RATE

PLX12-620FT(A) (12V620W)



APPLICATIONS

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

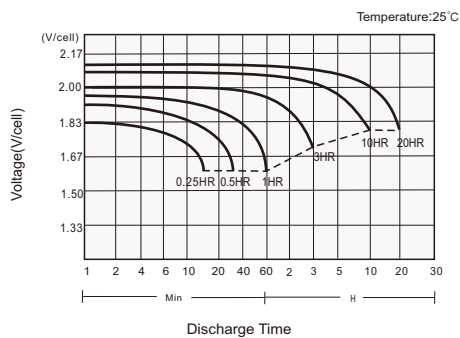
GENERAL FEATURES

- 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

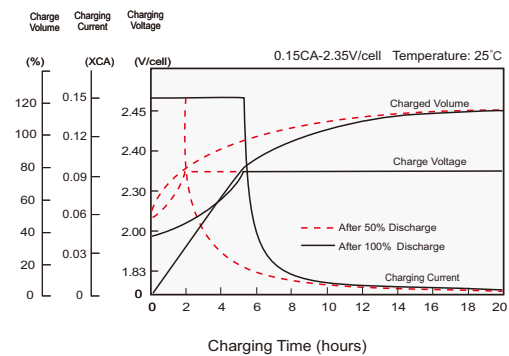
STANDARDS

- 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

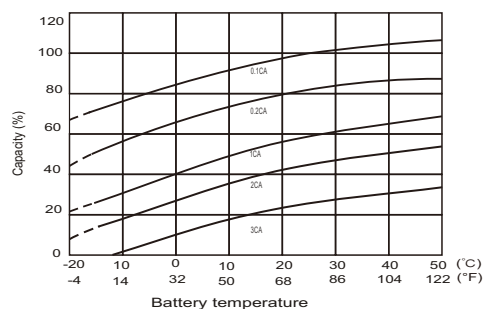
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

