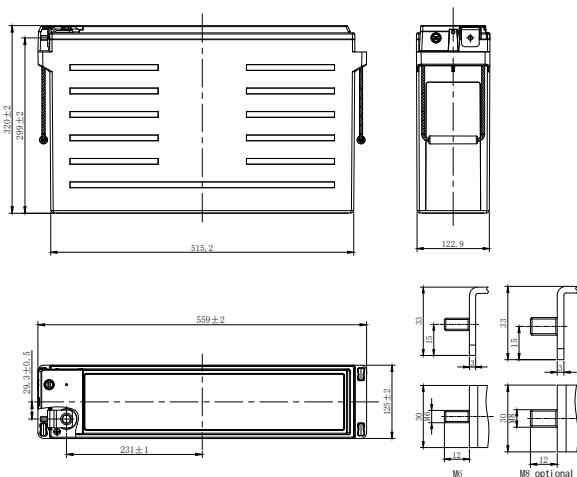


PLX-PURE LEAD HIGH RATE

PLX12-700FT(A) (12V700W)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	700W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	190Ah
Dimension	Length	559mm (22.0inches)
	Width	125mm (4.92inches)
	Container Height	320mm (12.6inches)
	Total Height	320mm (12.6inches)
Approx Weight	58.0kg (127.9lbs)	
Terminal	M6 (M8 optional)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	4180A	
Internal Resistance (25°C)	Approx 3 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	390.6	331.5	290.2	249.5	188.7	139.1	112.5	80.8	64.9	46.8	36.8	30.7	21.4	18.4	9.58
1.80V/cell	448.7	370.6	323.7	275.7	203.5	148.0	118.8	84.4	67.2	48.6	38.0	31.7	22.1	19.0	9.88
1.75V/cell	488.8	399.5	344.5	294.1	216.2	155.5	124.5	87.3	68.7	49.6	39.0	32.5	22.5	19.3	10.1
1.70V/cell	535.7	428.0	362.3	306.9	226.5	162.2	128.6	89.9	70.5	50.7	39.8	33.1	22.9	19.5	10.2
1.67V/cell	641.3	453.1	374.1	319.2	234.6	167.4	133.0	92.2	71.8	51.3	40.1	33.5	23.3	19.6	10.3
1.60V/cell	656.0	477.7	390.1	327.6	241.6	172.1	136.0	94.0	73.0	51.6	40.5	33.8	23.4	19.8	10.4

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	730.9	636.4	560.3	485.5	369.7	275.2	223.2	160.8	129.6	93.7	73.9	61.8	43.5	37.4	19.5
1.80V/cell	832.4	704.1	621.8	533.1	396.3	290.8	234.1	167.0	133.4	96.8	76.0	63.6	44.5	38.5	20.1
1.75V/cell	898.8	750.5	657.6	563.4	417.4	303.2	243.7	171.8	135.8	98.4	77.5	64.8	45.3	39.0	20.4
1.70V/cell	959.4	793.6	684.9	582.5	434.0	314.3	250.5	176.0	138.8	100.2	78.9	65.8	46.1	39.3	20.6
1.67V/cell	983.9	829.2	700.0	599.6	450.3	322.6	257.5	179.6	140.7	101.0	79.3	66.5	46.6	39.4	20.7
1.60V/cell	1043.0	861.8	704.9	608.6	465.0	328.4	261.3	181.8	142.0	101.0	79.7	66.8	46.7	39.7	20.8

PLX-PURE LEAD HIGH RATE

PLX12-700FT(A) (12V700W)



APPLICATIONS

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

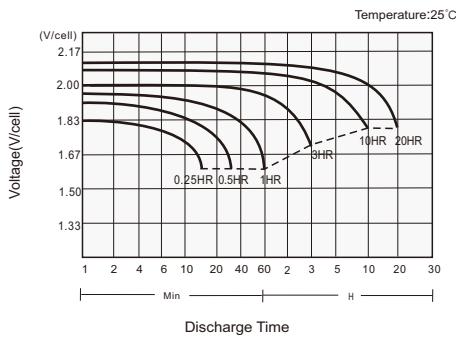
GENERAL FEATURES

- 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

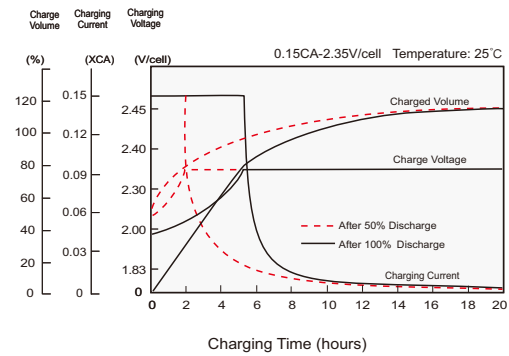
STANDARDS

- 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

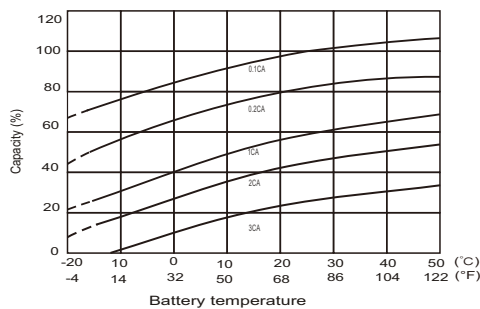
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

