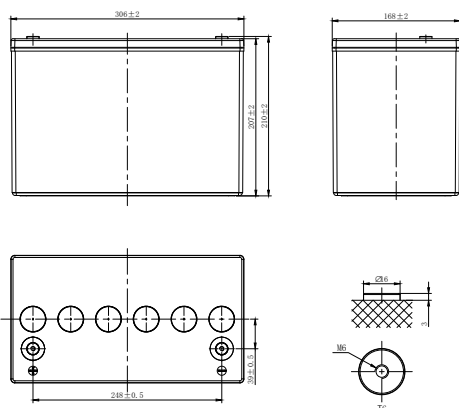


# PLX-PURE LEAD HIGH RATE

## PLX12-360 (12V360W)



### CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Rate (25°C)	$W_{15}, 1.67V/cell$	360W/cell
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	90Ah
Dimension	Length	306mm (12.0inches)
	Width	168mm (6.61inches)
	Container Height	207mm (8.15inches)
	Total Height	210mm (8.27inches)
Approx Weight	30.0kg (66.1lbs)	
Terminal	T6(M6)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	1980A	
Internal Resistance (25°C)	Approx 3.8 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)	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	256.1	187.2	149.8	134.1	99.7	73.9	60.0	42.1	33.2	23.7	19.0	16.2	10.7	8.90	4.69
1.80V/cell	294.9	215.8	167.0	146.5	106.5	77.7	62.4	43.9	34.7	24.8	19.8	16.9	11.1	9.00	4.78
1.75V/cell	322.3	236.2	180.9	156.3	113.4	79.9	64.2	45.2	35.7	25.4	20.3	17.3	11.3	9.12	4.84
1.70V/cell	347.3	255.5	192.5	164.4	117.7	82.8	66.7	46.4	36.2	25.9	20.7	17.5	11.4	9.35	4.88
1.67V/cell	387.6	269.1	203.0	170.8	122.5	86.0	68.1	47.2	36.8	26.2	21.0	17.7	11.5	9.51	4.92
1.60V/cell	418.9	273.6	209.9	175.6	124.9	87.3	69.3	48.0	37.4	26.5	21.2	17.9	11.6	9.57	4.96
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	516.2	366.1	294.7	265.1	198.1	147.6	120.1	84.5	66.7	47.9	38.6	33.0	22.0	18.3	9.71
1.80V/cell	573.5	417.9	325.2	286.9	210.0	154.0	124.2	87.6	69.3	49.7	39.9	34.3	22.6	18.4	9.85
1.75V/cell	608.1	453.2	349.3	303.4	221.4	156.9	126.7	89.4	70.8	50.7	40.8	34.8	22.8	18.6	9.92
1.70V/cell	662.4	484.5	357.0	315.7	227.5	161.0	130.6	91.1	71.3	51.3	41.2	35.1	22.9	19.0	9.96
1.67V/cell	720.0	506.6	360.0	326.0	235.5	166.3	132.7	92.4	72.2	51.6	41.6	35.3	23.1	19.2	9.98
1.60V/cell	758.0	510.2	393.8	331.9	237.6	167.4	133.7	93.0	72.6	51.8	41.6	35.3	23.1	19.2	10.0

# PLX-PURE LEAD HIGH RATE

## PLX12-360 (12V360W)



### APPLICATIONS

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

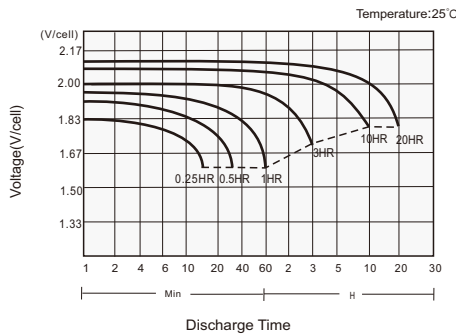
### GENERAL FEATURES

- 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

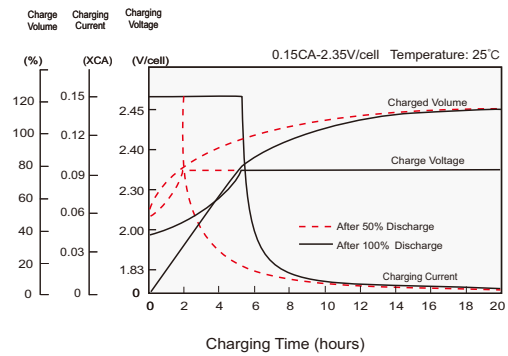
### STANDARDS

- 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

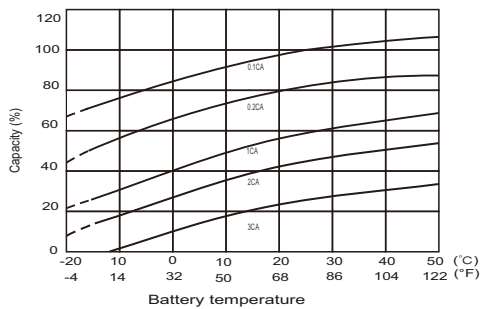
#### Discharge Characteristics



#### Charging Characteristics



#### Effects of Temperature on Capacity



#### Self Discharge Characteristics

