

## BATTERY SPECIFICATIONS

### HIGH PERFORMANCE FACTORY ACTIVATED MAINTENANCE FREE

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
PTX20HLBS-FS	12	20	310	13.1	—	1.8	4	6 7/8	3 7/16	6 1/8	175	87	155	[Diagram]
PIX30HLBS-FS	12	30	385	19.1	—	2.8	5	6 9/16	5	6 7/8	166	126	175	[Diagram]

### FACTORY ACTIVATED MAINTENANCE FREE

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
PTX4LBS-FS	12	3	35	3.4	—	0.4	5	4 1/2	2 13/16	3 3/8	114	71	86	[Diagram]
PTX5LBS-FS	12	4	60	4.1	—	0.5	5	4 1/2	2 13/16	4 3/16	114	71	106	[Diagram]
PTZ5S	12	4	40	3.7	—	0.3	5	4 7/16	2 3/4	3 1/3	113	70	85	[Diagram]
PT6B-3	12	5	75	5.1	—	0.3	11	4 7/16	2 3/4	4 5/8	113	70	117	[Diagram]
PT7B-4	12	6	85	5.7	—	0.6	11	6	2 9/16	3 11/16	150	65	93	[Diagram]
PTX7ABS-FS	12	6	85	5.6	—	0.7	5	6	3 7/16	3 3/4	150	87	94	[Diagram]
PTX7LBS-FS	12	6	85	5.8	—	0.6	5	4 1/2	2 13/16	5 3/16	114	71	131	[Diagram]
PTZ7S	12	6	85	5.2	—	0.6	5	4 7/16	2 3/4	4 1/8	113	70	105	[Diagram]
PT9B-4	12	8	100	6.8	—	0.8	11	6	2 3/4	4 1/8	150	70	105	[Diagram]
PTX9BS-FS	12	8	120	6.2	—	0.9	5	6	3 7/16	4 3/16	150	87	105	[Diagram]
PTZ10S	12	8.5	130	6.8	—	0.9	11	6	3 7/16	3 11/16	150	87	93	[Diagram]
PT12B-4	12	10.5	115	8.3	—	1.0	11	6	2 3/4	5 1/8	150	69	130	[Diagram]
PTX12ABS-FS	12	10	140	7.1	—	1.0	11	6	3 7/16	4 3/16	150	87	105	[Diagram]
PTX12BS-FS	12	10	180	9.7	—	1.2	5	6	3 7/16	5 1/8	150	87	130	[Diagram]
PTZ12S	12	11	140	8.1	—	1.1	11	6	3 7/16	4 3/8	150	87	110	[Diagram]
PT14B-4	12	12.5	135	9.4	—	1.2	11	6	2 3/4	5 3/4	150	70	145	[Diagram]
PTX14BS-FS	12	12	200	10.3	—	1.4	5	6	3 7/16	5 3/4	150	87	145	[Diagram]
PTX14AHBS-FS	12	12	200	9.5	—	1.4	4	5 5/16	3 9/16	6 3/8	135	90	161	[Diagram]
PTX14AHLBS-FS	12	12	200	9.5	—	1.4	4	5 5/16	3 9/16	6 3/8	135	90	161	[Diagram]
PTX14LBS-FS	12	12	200	10.3	—	1.4	5	6	3 7/16	5 3/4	150	87	145	[Diagram]
PTZ14S	12	11.2	145	8.6	—	1.1	11	6	3 7/16	4 3/8	150	87	110	[Diagram]
PTX15LBS-FS	12	13	160	10.3	—	1.3	4	6 7/8	3 7/16	5 1/8	175	87	130	[Diagram]
PTX19BS-FS	12	19	270	14.3	—	1.9	6	6 7/8	4	6 1/8	175	101	157	[Diagram]
PTX19LBS-FS	12	19	270	14.3	—	1.9	6	6 7/8	4	6 1/8	175	101	157	[Diagram]
PTX19CLB-FS	12	19	270	14.5	—	1.9	5	6 7/8	4	6 7/8	175	101	175	[Diagram]
PTX20BS-FS	12	18	250	13.1	—	1.8	4	6 7/8	3 7/16	6 1/8	175	87	155	[Diagram]
PTX20LBS-FS	12	18	250	13.1	—	1.8	4	6 7/8	3 7/16	6 1/8	175	87	155	[Diagram]
PIX30LBS-FS	12	28	320	19.1	—	2.8	5	6 9/16	5	6 7/8	166	126	175	[Diagram]
PIX30CLBS-FS	12	28	320	19.6	—	2.8	5	6 9/16	5	7 5/8	166	126	194	[Diagram]
PIX50LBS-FS	12	21	280	15.7	—	2.1	4	8 1/8	3 7/16	6 7/8	205	86	161	[Diagram]
51913-FS*	12	19.5	190	14.9	—	1.95	10	7 7/16	3 1/4	6 7/8	186	82	171	[Diagram]
P11U1LD-FS	12	32	320	21.2	—	3.2	14	7 3/4	5 1/4	7 7/16	196	131	186	[Diagram]

\*Maintenance Free Gel Technology

Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation. To prolong shelf life without charging, store batteries at 50°F (10°C) or less.

### SEALED MAINTENANCE FREE

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
PTR4A-BS	12	2.3	25	2.0	4.7	0.3	12	4 1/2	1 15/16	3 3/8	114	49	86	[Diagram]
PTX4B-BS	12	2.3	30	2.1	4.1	0.3	13	4 1/2	1 9/16	3 7/16	114	39	86.5	[Diagram]
PTX4L-BS	12	3	40	2.9	6.1	0.4	5	4 1/2	2 13/16	3 3/8	114	71	86	[Diagram]
PTX5L-BS	12	4	60	3.5	8.1	0.5	5	4 1/2	2 13/16	4 3/16	114	71	106	[Diagram]
PT6.5L-BS	12	6.5	60	3.8	12.8	0.65	5	5 1/2	2 5/8	4	139	66	102	[Diagram]
PTX7A-BS	12	6	85	4.2	11.2	0.7	5	6	3 7/16	3 3/4	150	87	94	[Diagram]
PTX7L-BS	12	6	85	4.3	11.2	0.6	5	4 1/2	2 13/16	5 3/16	114	71	131	[Diagram]
PT9A-BS	12	9	90	6.4	18.9	0.9	6	5 5/16	3	5 1/2	135	76	140	[Diagram]
PTR9-BS	12	8	120	5.4	13.5	0.9	11	6	3 7/16	4 3/16	150	87	105	[Diagram]
PTX9-BS	12	8	120	5.4	13.5	0.9	5	6	3 7/16	4 3/16	150	87	105	[Diagram]
PTX12-BS	12	10	180	7.5	20.3	1.2	5	6	3 7/16	5 1/8	150	87	130	[Diagram]
PTX12A-BS	12	10	140	6.3	15.9	1.0	11	6	3 7/16	4 3/16	150	87	105	[Diagram]
PTX14-BS	12	12	200	8.1	23.3	1.4	5	6	3 7/16	5 3/4	150	87	145	[Diagram]
PTX14AH-BS	12	12	200	7.3	22.3	1.4	4	5 5/16	3 9/16	6 3/8	135	90	161	[Diagram]
PTX14AHL-BS	12	12	200	7.3	22.3	1.4	4	5 5/16	3 9/16	6 3/8	135	90	161	[Diagram]
PTX14L-BS	12	12	200	8.1	23.3	1.4	5	6	3 7/16	5 3/4	150	87	145	[Diagram]
PTX15L-BS	12	13	180	8.8	23.3	1.3	4	6 7/8	3 7/16	5 1/8	175	87	130	[Diagram]
PTX16-BS	12	14	220	10.3	26.4	1.4	4	6	3 7/16	6 3/8	150	87	161	[Diagram]
PTX16-BS-1	12	14	220	10.3	26.4	1.4	1	6	3 7/16	6 3/8	150	87	161	[Diagram]
PTX18L-BS	12	18	250	11.9	33.5	2.1	4	8 1/8	3 7/16	6 3/8	205	86	161	[Diagram]
PTX19-BS	12	19	270	10.9	32.5	1.9	6	6 7/8	4	6 1/8	175	101	157	[Diagram]
PTX19L-BS	12	19	270	10.9	32.5	1.9	6	6 7/8	4	6 1/8	175	101	157	[Diagram]
PTX19CL-BS	12	19	270	11.1	32.5	1.9	5	6 7/8	4	6 7/8	175	101	175	[Diagram]
PTX20CH-BS	12	18	210	11.4	27.7	1.8	4	6	3 7/16	6 3/8	150	87	161	[Diagram]
PTX20-BS	12	18	250	10.1	31.4	1.8	4	6 7/8	3 7/16	6 1/8	175	87	155	[Diagram]
PTX20L-BS	12	18	250	10.1	31.4	1.8	4	6 7/8	3 7/16	6 1/8	175	87	155	[Diagram]
PIX30L-BS	12	28	320	13.2	55.5	2.8	5	6 9/16	5	6 7/8	166	126	175	[Diagram]
PIX30CL-BS	12	28	320	13.4	55.5	2.8	5	6 9/16	5	7 5/8	166	126	194	[Diagram]
PIX50-BS	12	21	280	12.0	33.5	2.1	4	8 1/8	3 7/16	6 7/8	205	86	161	[Diagram]
PIX50L-BS	12	21	280	12.0	33.5	2.1	4	8 1/8	3 7/16	6 7/8	205	86	161	[Diagram]



## BATTERY SPECIFICATIONS

### CONVENTIONAL 6 VOLT (Continued)

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
6N4B-2A	6	4	32	1.7	6.8	0.4	—	4	1 7/8	3 3/4	102	48	96	
6N4B-2A-3	6	4	32	1.7	6.8	0.4	—	4	1 7/8	3 3/4	102	48	96	
6N4B-2A-5	6	4	32	1.7	6.8	0.4	—	4	1 7/8	3 3/4	102	48	96	
6N4C-1B	6	4	32	1.7	6.8	0.4	—	2 13/16	2 13/16	4 1/8	71	71	105	
6N5.5-1D	6	5.5	44	1.8	10.1	0.6	—	3 9/16	2 3/4	3 15/16	90	70	100	
6N5.5-1D-1	6	5.5	44	1.8	10.1	0.6	—	3 9/16	2 3/4	3 15/16	90	70	100	
6N6-1B	6	6	48	2.0	10.1	0.6	—	3 7/8	2 1/4	4 3/8	99	57	111	
6N6-1D-2	6	6	48	2.0	10.1	0.6	—	3 7/8	2 1/4	4 3/8	99	57	111	
6N6-3B	6	6	48	2.0	10.1	0.6	6	3 7/8	2 1/4	4 3/8	99	57	111	
6N6-3B-1	6	6	48	2.0	10.1	0.6	6	3 7/8	2 1/4	4 3/8	99	57	111	
6CB8L-B	6	8	64	3.0	10.5	0.8	6	4 3/4	2 3/4	3 3/4	120	70	95	
6N11-2D	6	11	88	3.5	13.5	1.1	6	5 7/8	2 3/4	3 15/16	150	70	100	
6N11A-1B	6	11	88	3.5	13.5	1.1	6	4 13/16	2 7/16	5 1/8	122	62	131	
6N12A-2D	6	12	96	3.8	15.2	1.2	6	6 1/8	2 1/4	4 9/16	156	57	116	
B38-6A	6	13	104	4.7	21.0	1.3	6	4 11/16	3 1/4	6 15/16	119	83	161	
B39-6	6	7	60	2.8	10.1	0.7	6	4 15/16	1 7/8	4 15/16	126	48	126	
B54-6	6	12	96	3.8	16.9	1.2	6	6 1/8	2 1/4	4 9/16	156	57	116	

### CONVENTIONAL 12 VOLT

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
12N5-3B	12	5	40	3.1	13.5	0.5	6	4 3/4	2 3/8	5 1/8	120	60	130	
12N5-4B	12	5	40	3.1	13.5	0.5	6	4 3/4	2 3/8	5 1/8	120	60	130	
12N5.5-3B	12	5.5	55	4.3	13.5	0.6	6	5 5/16	2 3/8	5 1/8	135	60	130	
12N5.5-4A	12	5.5	55	4.3	13.5	0.6	2	5 5/16	2 3/8	5 1/8	135	60	130	
12N5.5A-3B	12	5.5	44	4.3	16.9	0.6	6	4 1/16	3 9/16	4 1/2	103	90	114	
12N7-4A	12	7	74	4.9	16.9	0.7	6	5 5/16	3	5 1/4	135	75	133	
12N7-3B	12	7	74	4.9	16.9	0.7	6	5 5/16	3	5 1/4	135	75	133	
12N7D-3B	12	7	80	4.9	20.3	0.7	6	5 5/16	3	5 15/16	135	75	150	
12N7-4B	12	7	74	4.9	16.9	0.7	6	5 5/16	3	5 1/4	135	75	133	
12N9-3A-1	12	9	85	5.4	20.3	0.9	6	5 5/16	3	5 1/2	135	75	139	
12N9-3B	12	9	85	5.4	20.3	0.9	6	5 5/16	3	5 1/2	135	75	139	
12N9-4B-1	12	9	85	5.4	20.3	0.9	6	5 5/16	3	5 1/2	135	75	139	
12N10-3A	12	10	95	6.4	27.0	1.0	6	5 5/16	3 9/16	5 3/4	135	90	145	
12N10-3A-1	12	10	95	6.4	27.0	1.0	6	5 5/16	3 9/16	5 3/4	135	90	145	
12N11-3A-1	12	11	103	7.5	27.0	1.1	8	5 5/16	3 9/16	6 1/8	135	90	155	
12N12A-4A-1	12	12	113	6.8	23.7	1.2	6	5 5/16	3 3/16	6 15/16	134	80	160	
12N14-3A	12	14	128	7.5	27.0	1.4	8	5 5/16	3 1/2	6 9/16	134	89	166	
12N24-3	12	24	218	12.1	40.6	2.4	3	7 1/4	4 7/8	6 7/8	184	124	175	
CHD4-12 (H-12)	12	30*	280	13.3	74.4	3.0	9	8 1/8	5 1/4	6 1/2	206	133	165	

### LAWN & GARDEN

Type	Voltage (V)	Capacity at 10HR (Ah)	CCA @ 0° F (-18° C)	Apprx. Weight w/o Acid (Lbs.)	Acid Volume (Oz.)	Regular Charge Current (Ah)	Terminal Type (See Page 6)	Dimensions in Inches (+/- 1/16 In.)			Dimensions In Millimeters (+/- 2 mm.)			Assembly Figure (per cover polarity)
								Length	Width	Height	Length	Width	Height	
U1(9)	12	24	220	13.0	60.9	2.4	14	7 3/4	5 1/4	7 1/8	196	131	181	
U1R(9)	12	24	220	13.0	60.9	2.4	14	7 3/4	5 1/4	7 1/8	196	131	181	

\* @ 20 hr. rate