



Small-Sized Valve Regulated Lead-Acid Batteries

PWL SERIES

A Super Long Life Battery



The Internet and Telecommunication Networks continue to grow and become increasingly more complex. This can be attributed to the incredible advances made in both computer and cellular telephone technology. In response to these changes, we present our PWL Series, a super long life battery.

● FEATURES

1. Super Long Life of over 10 years (at 0.16CA discharge and 25°C)
2. Maintenance Free
3. Improvement of Safety (UL-V0)

● APPLICATIONS

1. Telephone exchange, various communication systems.
2. Non-power failure power supplies, computer systems.
3. Associated facilities with optical fiber communications.
4. CATV backup applications

● SPECIFICATIONS

Model	Nominal Voltage (V)	Rated Capacity 20hr Rate (Ah)	Ambient Temperature		Outer Dimensions								Weight		Terminal
			Charge	Storage	L		W		H		TH		kg	lbs.	
					mm	in.	mm	in.	mm	in.	mm	in.			
PWL12V24	12	24	0 to 40°C (32 to 104°F)	-20 to 40°C (-4 to 104°F)	166	6.54	125	4.92	175	6.89	175	6.89	8.9	19.6	Top
PWL12V38		38			197	7.76	163	6.42	174	6.85	174	6.85	14	30.8	
PWL12V100TT		96*			329	13.0	173	6.81	235	9.25	240	9.45	35	77.0	
PWL12V100FT		100*			558	22.0	125	4.92	230	9.06	230	9.06	40	88.0	
PWL12V125FT		125*			558	22.0	125	4.92	276	10.9	276	10.9	50	110	Front

*8hr Rate

● Amperes to Final Voltage 1.75V per Cell@25°C (77°F)

Model	Discharge Time (hr)										
	20	12	10	9	8	7	6	5	4	3	2
PWL12V24	1.20	1.84	2.14	2.33	2.57	2.88	3.26	3.84	4.58	5.82	8.16
PWL12V38	1.90	2.92	3.38	3.69	4.07	4.56	5.17	6.08	7.26	9.22	12.9
PWL12V100TT	5.20	8.50	10.0	11.0	12.0	13.3	14.9	17.3	20.5	25.7	34.7
PWL12V100FT	5.33	8.72	10.2	11.4	12.5	14.1	15.9	18.6	22.8	29.1	40.4
PWL12V125FT	6.75	10.8	12.8	14.0	15.6	17.7	20.3	24.1	28.9	36.7	51.1

● Watts to Final Voltage 1.75V per Cell@25°C (77°F)

Model	Discharge Time (hr)										
	20	12	10	9	8	7	6	5	4	3	2
PWL12V24	13.6	22.0	26.0	28.5	31.5	35.2	40.0	46.6	56.1	70.9	97.1
PWL12V38	21.5	34.9	41.1	45.1	49.9	55.7	63.4	73.8	88.8	112	153
PWL12V100TT	56.6	91.8	108	118	131	146	166	194	233	295	404
PWL12V100FT	63.5	103	124	134	150	170	195	230	280	360	490
PWL12V125FT	79.4	129	155	168	188	213	244	288	350	450	613

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