

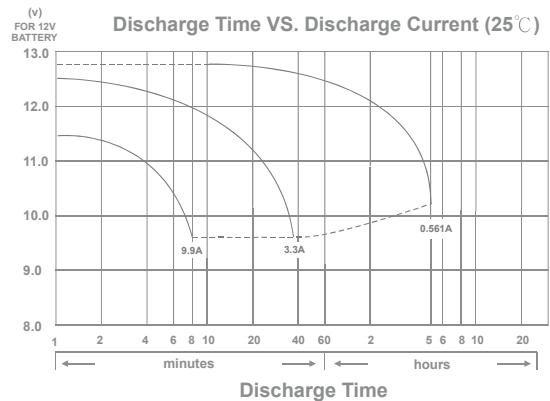
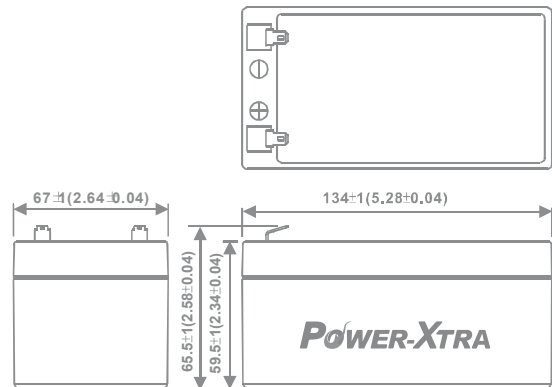
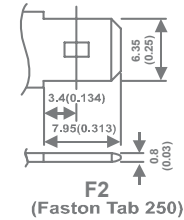
PX1213W 12Volt 13W

Specifications

Nominal Voltage(V)	12V		
Nominal Power 15 mins rate:	13W/cell to 1.60V/cell		
Nominal Capacity			
5 hour rate (0.561A to 10.20V)	2.805Ah		
1 C (3.3A to 9.60V)	2.09Ah		
3 C (9.9A to 9.60V)	1.32Ah		
Weight	Approx. 1.30kg(2.86Lbs.)		
Internal Resistance (at 1KHz)	Approx. 34 mΩ		
Maximum Discharge Current for 5 seconds:	49.5A		
Charging Methods at 25°C(77°F)			
Cycle use:			
Charging Voltage	14.4 to 15.0V		
Coefficient	-5.0mV/°C/cell		
Maximum Charging Current :	0.99A		
Standby use:			
Float Charging Voltage	13.5 to 13.8V		
Coefficient	-3.0mV/°C/cell		
Operating Temperature Range			
Charge	-15°C(5°F)	to	40°C(104°F)
Discharge	-15°C(5°F)	to	50°C(122°F)
Storage	-15°C(5°F)	to	40°C(104°F)
Charge Retention (shelf life) at 20°C(68°F)			
1 month	92%		
3 month	90%		
6 month	80%		
Case Material	ABS UL94 HB		
	Option: Flammability resistance of (UL94 V-0)		
Terminal	F2 (Faston Tab 250)		

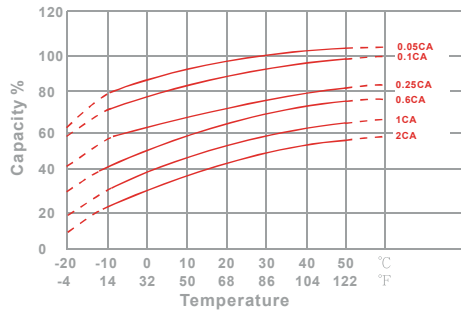
Dimensions

mm(inch)

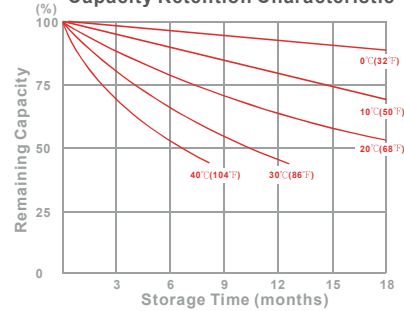


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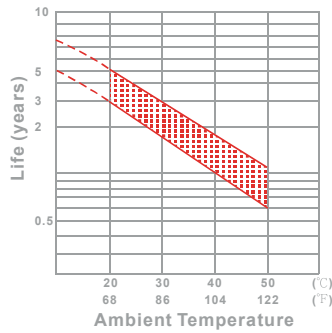
Effect of Temperature on Capacity 25°C(77°F)



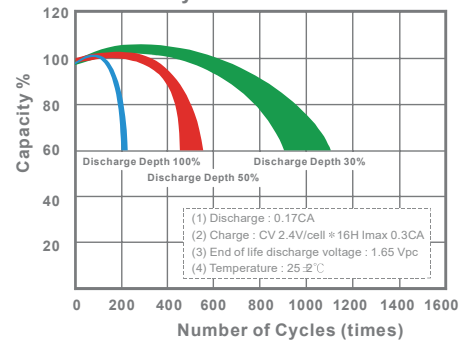
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	18.7	20.5	22.0	23.2	23.5	24.0	24.5
10	min	13.2	14.4	15.0	15.7	15.9	16.2	16.6
15	min	11.3	12.0	12.3	12.6	12.7	12.9	13.0
30	min	5.62	6.08	6.35	6.57	6.65	6.75	6.87
60	min	3.25	3.47	3.65	3.80	3.85	3.92	3.97
120	min	1.92	2.03	2.15	2.23	2.25	2.28	2.32
180	min	1.49	1.55	1.61	1.67	1.68	1.70	1.72
240	min	1.26	1.30	1.33	1.35	1.36	1.37	1.38
300	min	1.10	1.13	1.15	1.17	1.17	1.18	1.19
600	min	0.807	0.828	0.672	0.680	0.683	0.688	0.693
1200	min	0.330	0.345	0.355	0.363	0.365	0.368	0.372

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	12.8	13.4	13.8	14.1	14.2	14.4	14.5
10	min	7.96	8.33	8.52	8.68	8.74	8.81	8.89
15	min	6.08	6.29	6.40	6.49	6.52	6.56	6.61
30	min	3.22	3.36	3.44	3.50	3.52	3.54	3.56
60	min	1.85	1.94	1.98	2.01	2.02	2.03	2.04
120	min	1.01	1.08	1.11	1.13	1.14	1.15	1.16
180	min	0.732	0.781	0.806	0.827	0.834	0.842	0.851
240	min	0.597	0.625	0.646	0.661	0.666	0.672	0.680
300	min	0.509	0.541	0.557	0.570	0.574	0.579	0.585
600	min	0.304	0.321	0.330	0.336	0.338	0.341	0.343
1200	min	0.156	0.165	0.171	0.176	0.178	0.180	0.182

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)