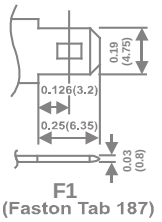
PC6120

6.0 Volt 12.0 Ah
Maintenance-Free / Rechargeable
Sealed Lead-Acid Battery

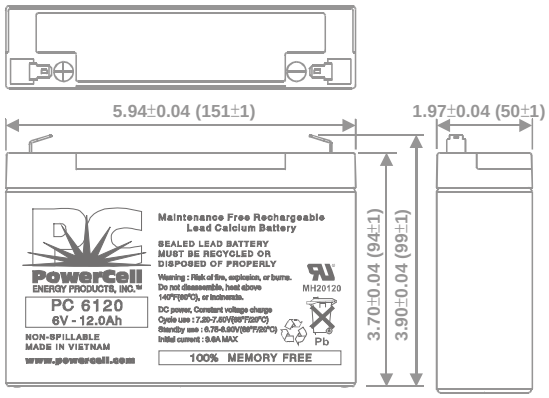
Specifications

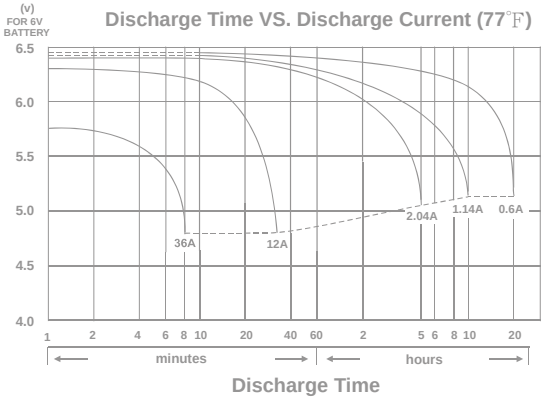
Nominal Voltage(V)	**6V**
Nominal Capacity	
20 hour rate (0.6A to 5.25V)	**12Ah**
10 hour rate (1.14A to 5.25V)	**11.4Ah**
5 hour rate (2.04A to 5.1V)	**10.2Ah**
1 C (12A to 4.8V)	**6.8Ah**
3 C (36A to 4.8V)	**4.8Ah**
Weight	Approx. **4.18Lbs. (1.9kg)**
Internal Resistance (at 1KHz)	Approx. **10 mΩ**
Maximum Discharge Current for	
5 seconds:	**180A**
Charging Methods at 77℉(25℃)	
Cycle use:	
Charging Voltage	**7.20 to 7.50V**
Coefficient -5.0mv/℃/cell	
Maximum Charging Current：	**3.6A**
Standby use:	
Float Charging Voltage	**6.75 to 6.90V**
Coefficient -3.0mv/℃/cell	
Operating Temperature Range	
Charge	**5℉(-15℃) to 104℉(40℃)**
Discharge	**5℉(-15℃) to 122℉(50℃)**
Storage	**5℉(-15℃) to 104℉(40℃)**
Charge Retention (shelf life) at 68℉(20℃)	
1 month	**92%**
3 month	**90%**
6 month	**80%**
Case Material	**ABS**
(UL94 HB)	
Terminal	**F1 (Faston Tab 187)**

Dimensions inch(mm)



F1
(Faston Tab 187)





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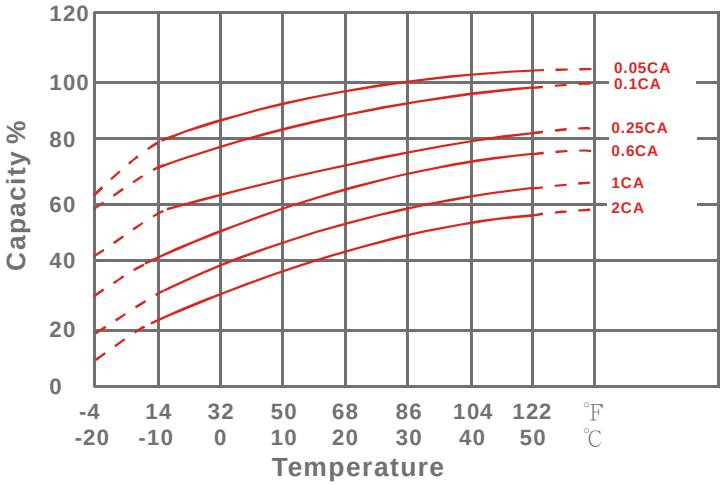
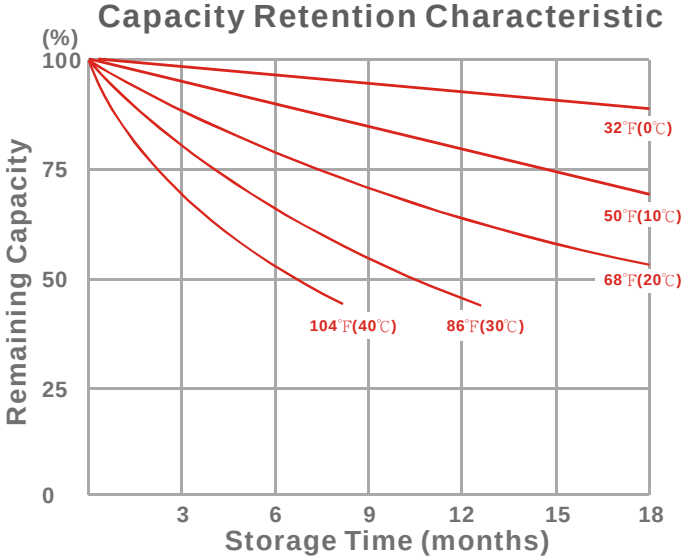
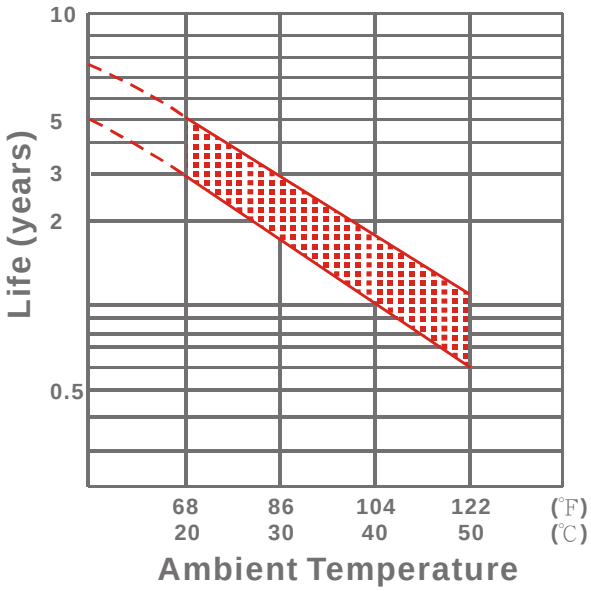
Effect of Temperature on Capacity 77°F(25°C)



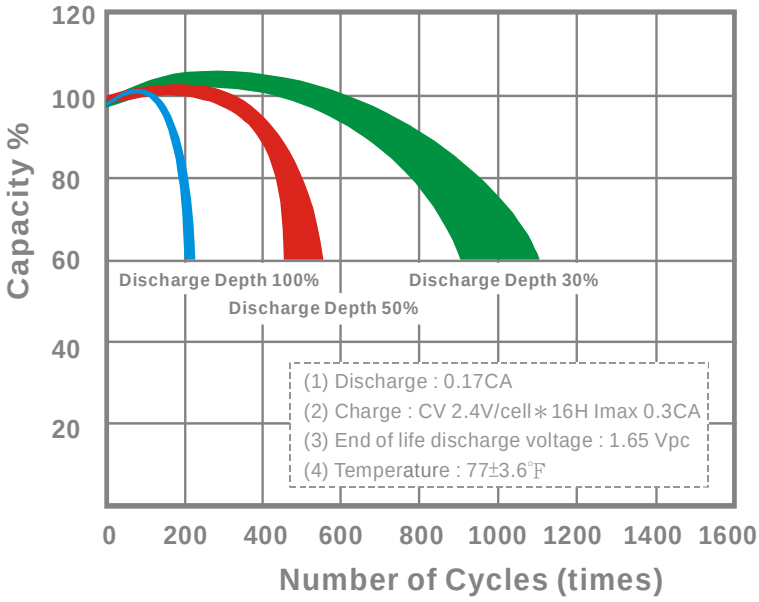
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



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PowerCell ENERGY PRODUCTS, INC.®

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 77℉(25℃)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	203	226	243	260	268	276	291
10	min	144	157	165	172	175	179	183
15	min	116	123	128	132	134	136	140
30	min	66.7	70.8	73.9	76.2	77.0	77.8	79.0
60	min	47.4	49.0	50.0	51.0	51.5	51.9	52.5
120	min	25.9	26.8	27.1	27.4	27.6	27.7	28.0
180	min	17.0	17.6	18.2	18.6	18.8	19.1	19.3
240	min	14.3	14.6	14.9	15.2	15.4	15.6	15.8
300	min	11.9	12.2	12.5	12.9	13.0	13.1	13.4
600	min	7.02	7.20	7.32	7.40	7.45	7.50	7.56
1200	min	3.58	3.62	3.74	3.79	3.84	3.88	3.97

- Discharge Rates in Amperes to Various End Voltages at 77℉(25℃)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.67V	1.65V
5	min	37.2	41.4	44.5	47.7	49.1	50.6	53.4
10	min	25.7	28.1	29.4	30.7	31.2	31.9	32.7
15	min	20.3	21.6	22.4	23.2	23.5	23.8	24.5
30	min	11.4	12.1	12.6	13.0	13.1	13.3	13.5
60	min	8.21	8.40	8.52	8.63	8.68	8.74	8.82
120	min	4.21	4.36	4.47	4.56	4.59	4.63	4.68
180	min	2.87	3.06	3.13	3.19	3.22	3.25	3.29
240	min	2.38	2.43	2.47	2.52	2.55	2.58	2.62
300	min	1.97	2.03	2.08	2.14	2.16	2.19	2.23
600	min	1.16	1.18	1.20	1.22	1.23	1.24	1.25
1200	min	0.592	0.599	0.618	0.627	0.634	0.642	0.656

All data on the spec. sheet is an average value:
The tolerance range : X<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)

Features

- **Absorbent Glass Mat (AGM) technology for superior performance.**
- **Valve-regulated, nonspillable constructionallows for safe, maintenance-free operation.**
- **Excellent power/volume ratio yielding unrivaled energy density.**
- **Rugged, Impact-Resistant, ABS case and cover (UL94-HB)**
- **Approved for transport by air by: DOT.,I.A.T.A., F.A.A. and C.A.B. Certified**
- **UL Recognized under file # MH20120**