



PC12120

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

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(0.6A	to	10.50V)	12Ah
10 hour rate	(1.14A	to	10.50V)	11.4Ah
5 hour rate	(2.04A	to	10.20V)	10.2Ah
1 C	(12A	to	9.60V)	6.4Ah
3 C	(36A	to	9.60V)	4.2Ah

Weight Approx. 8.23Lbs. (3.74kg)

Internal Resistance (at 1KHz) Approx. 13 mΩ

Maximum Discharge Current for

5 seconds: 180A

Charging Methods at 77°F(25°C)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mv/°C/cell

Maximum Charging Current : 3.6A

Standby use:

Float Charging Voltage 13.50 to 13.80V

Coefficient -3.0mv/°C/cell

Operating Temperature Range

Charge 5°F(-15°C) to 104°F(40°C)

Discharge 5°F(-15°C) to 122°F(50°C)

Storage 5°F(-15°C) to 104°F(40°C)

Charge Retention (shelf life) at 68°F(20°C)

1 month 92%

3 month 90%

6 month 80%

Case Material ABS

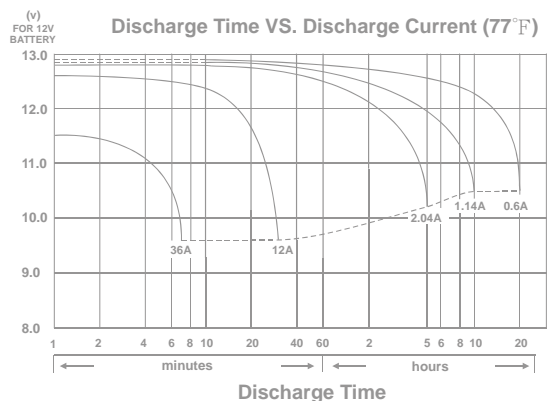
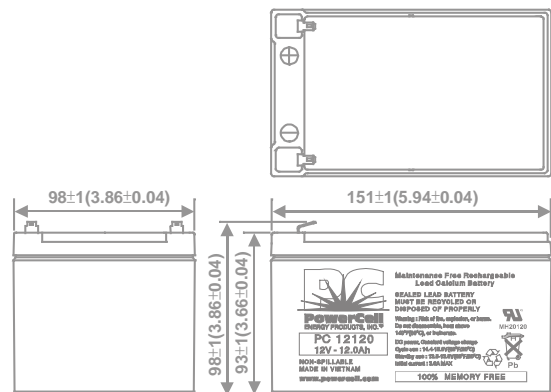
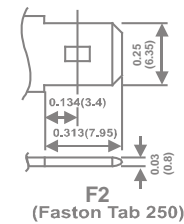
(UL94 HB)

Terminal F2 (Faston Tab 250)



Dimensions

inch(mm)

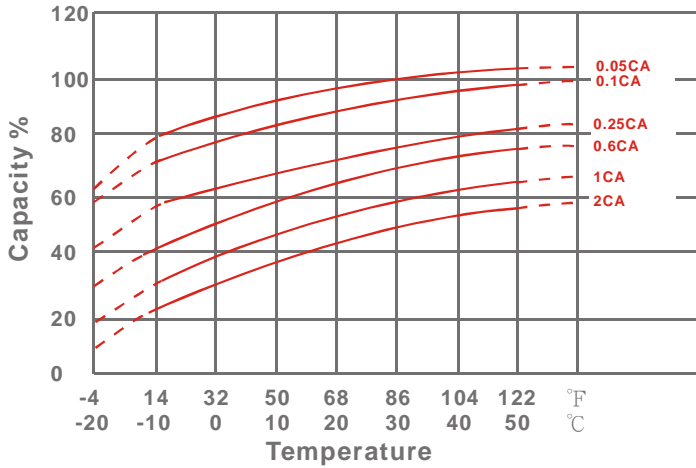




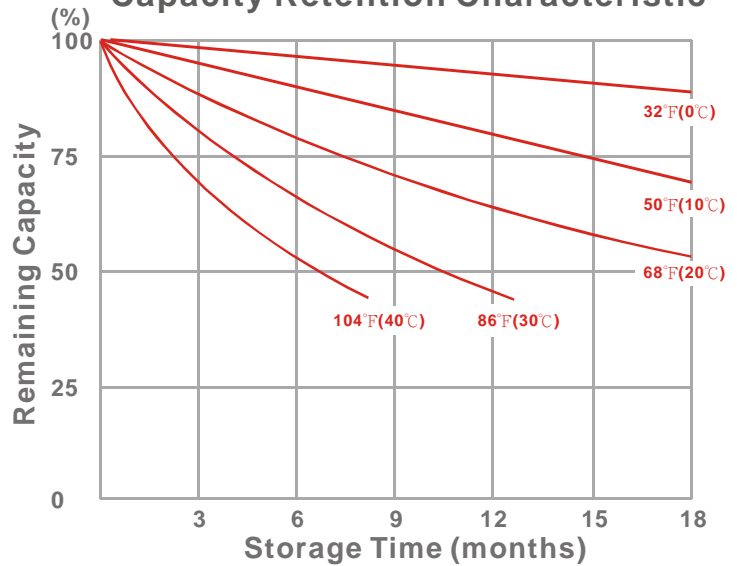
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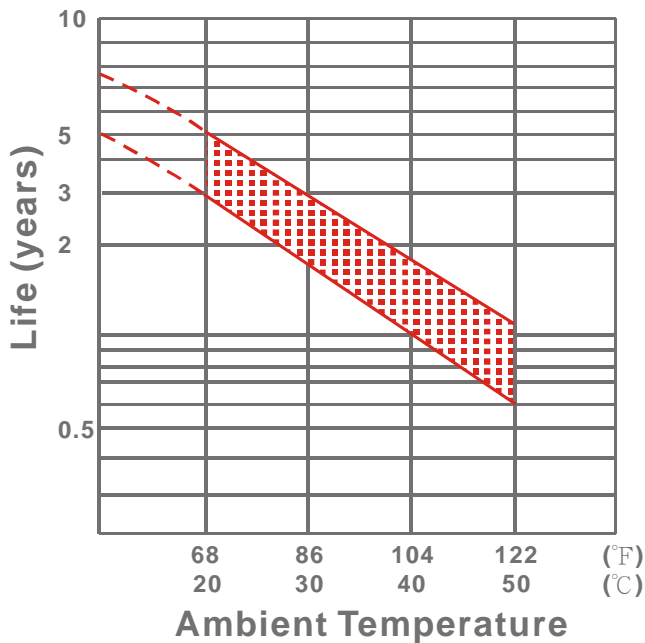
Effect of Temperature on Capacity 77°F(25°C)



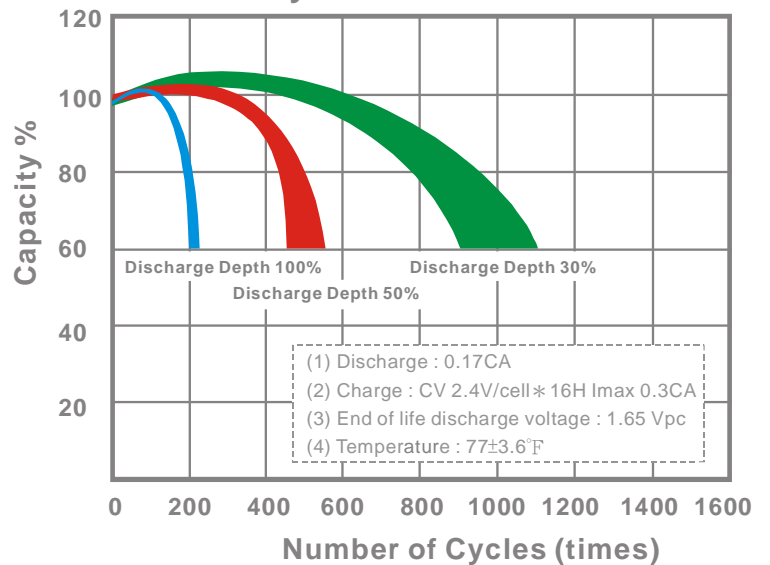
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life





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- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	405	451	485	520	536	552	582
10	min	288	315	329	344	349	357	366
15	min	232	246	255	264	267	272	279
30	min	133	142	148	152	154	156	158
60	min	94.7	98	100	102	103	104	105
120	min	51.8	53.5	54.3	54.9	55.1	55.4	55.9
180	min	33.9	35.2	36.3	37.2	37.6	38.1	38.5
240	min	28.7	29.3	29.8	30.4	30.7	31.2	31.6
300	min	23.7	24.5	25.1	25.8	26	26.3	26.9
600	min	14.0	14.4	14.6	14.8	14.9	15.0	15.1
1200	min	7.16	7.25	7.48	7.59	7.68	7.77	7.94

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
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 : $X < 6\text{min}$ (+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%)

Features

- **Absorbent Glass Mat (AGM) technology for superior performance.**
- **Valve-regulated, nonspillable construction allows 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**