

## Specifications

**Nominal Voltage(V)** **12V**

### Nominal Capacity

20 hour rate	(0.36A to 10.50V)	7.2Ah
10 hour rate	(0.684A to 10.50V)	6.84Ah
5 hour rate	(1.224A to 10.20V)	6.12Ah
1 C	(7.2A to 9.60V)	4.08Ah
3 C	(21.6A to 9.60V)	2.88Ah

**Weight** **Approx. 5.28Lbs. (2.4kg)**

**Internal Resistance (at 1KHz)** **Approx. 22 mΩ**

### Maximum Discharge Current for

**5 seconds:** **108A**

### Charging Methods at 77°F(25°C)

#### Cycle use:

**Charging Voltage** **14.4 to 15.0V**

**Coefficient** -5.0mv/°C/cell

**Maximum Charging Current :** **2.16A**

#### 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%**

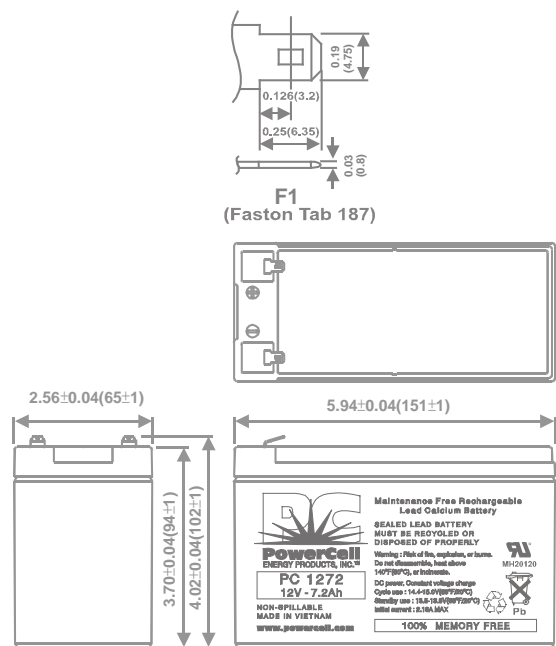
**Case Material** **ABS**

(UL94 HB)

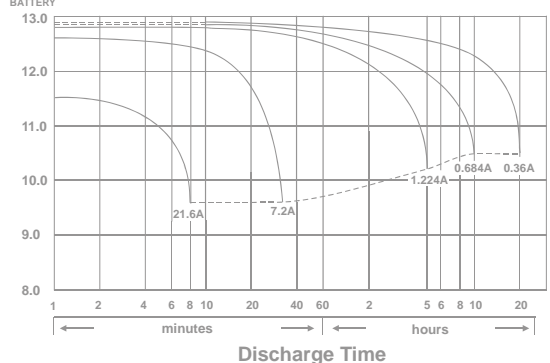
**Terminal** **F1 (Faston Tab 187)**



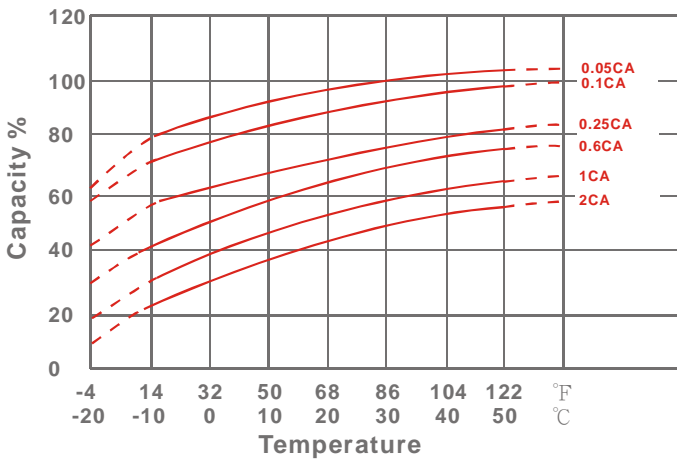
## Dimensions inch(mm)



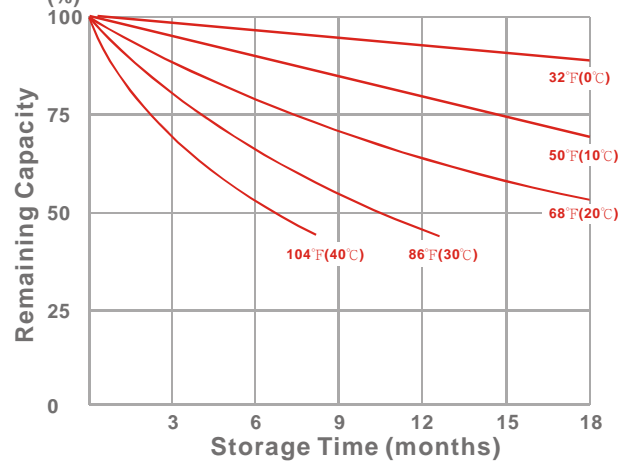
(V) FOR 12V BATTERY **Discharge Time VS. Discharge Current (77°F)**



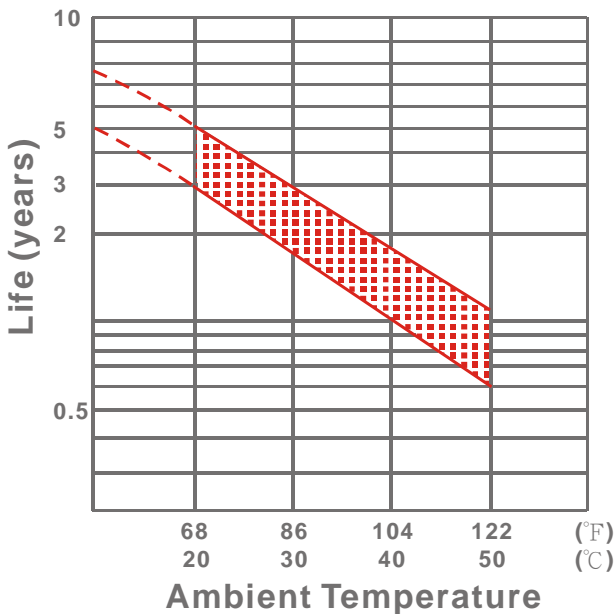
**Effect of Temperature on Capacity 77°F(25°C)**



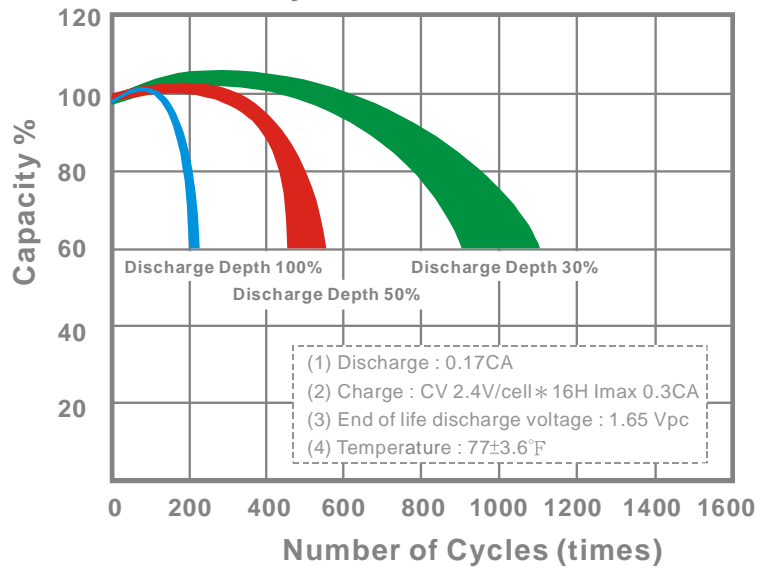
**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**





**PC1272**

**12.0 Volt 7.2 Ah**

**Maintenance-Free / Rechargeable  
Sealed Lead-Acid Battery**

**- 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	271	302	316	329	335	340	349
10	min	184	193	202	209	214	217	223
15	min	147	153	157	161	162	165	169
30	min	78.2	82.1	84.7	86.8	87.6	88.4	89.6
60	min	50.6	52.4	53.8	54.9	55.3	55.8	56.7
120	min	25.3	26.3	27.8	31.3	31.6	31.9	32.4
180	min	19.6	20.7	21.6	22.4	22.6	22.9	23.2
240	min	17.2	18.0	18.6	18.9	19.0	19.2	19.4
300	min	14.8	15.3	15.8	16.1	16.2	16.3	16.4
600	min	8.67	9.02	9.19	9.31	9.34	9.37	9.41
1200	min	4.16	4.31	4.42	4.50	4.53	4.56	4.62

**- 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	23.5	26.4	28.1	29.7	30.5	31.3	32.6
10	min	16.2	17.0	18.2	18.6	18.8	19.1	19.8
15	min	12.5	13.1	13.6	13.9	14.0	14.2	14.5
30	min	6.61	6.92	7.14	7.30	7.38	7.45	7.61
60	min	3.98	4.13	4.25	4.36	4.39	4.42	4.48
120	min	2.05	2.14	2.21	2.27	2.29	2.32	2.35
180	min	1.63	1.69	1.75	1.80	1.82	1.84	1.87
240	min	1.30	1.37	1.42	1.45	1.46	1.47	1.49
300	min	1.11	1.16	1.23	1.25	1.26	1.27	1.28
600	min	0.650	0.680	0.721	0.728	0.732	0.737	0.747
1200	min	0.341	0.357	0.377	0.382	0.384	0.387	0.392

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