

MP5-6

Nominal Voltage(V)

6V

Nominal Capacity

| | | | | |
|--------------|---------|----|--------|--------|
| 20 hour rate | (0.25A | to | 5.25V) | 5Ah |
| 10 hour rate | (0.475A | to | 5.25V) | 4.75Ah |
| 5 hour rate | (0.85A | to | 5.1V) | 4.25Ah |
| 1 C | (5A | to | 4.8V) | 2.83Ah |
| 3 C | (15A | to | 4.8V) | 2Ah |

Weight Approx.

820g(1.8Lbs.)

Internal Resistance (at 1KHz) Approx. 19 mΩ

Maximum Discharge Current for

5 seconds:

75A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.35 to 7.40V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 1.5A

Standby use:

Float Charging Voltage 6.75 to 6.90V

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

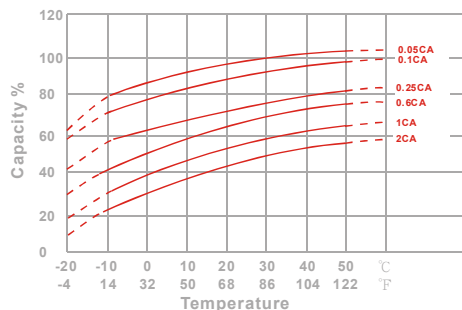
(UL94 HB flame retardant case / cover)

Terminal

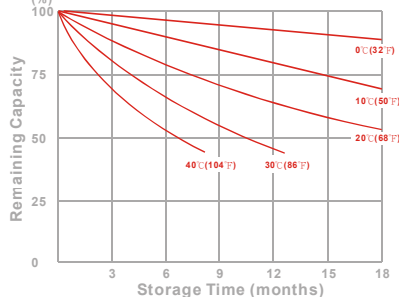
F1(Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

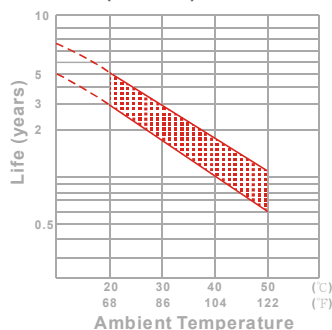
Effect of Temperature on Capacity 25°C(77°F)



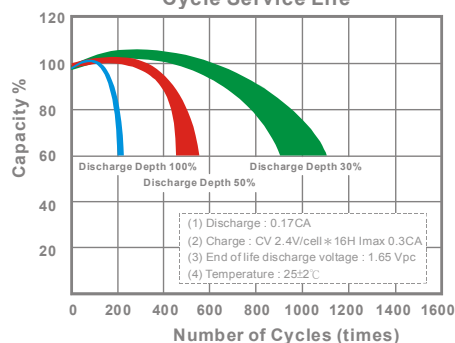
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

| End Voltage | | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 71.5 | 80.5 | 87.0 | 93.0 | 95.5 | 98.5 | 102 |
| 10 | min | 51.0 | 57.5 | 61.5 | 64.5 | 66.0 | 67.5 | 69.0 |
| 15 | min | 42.3 | 46.7 | 48.6 | 49.6 | 50.0 | 50.5 | 51.0 |
| 30 | min | 24.6 | 27.5 | 28.6 | 29.1 | 29.4 | 29.8 | 30.1 |
| 60 | min | 12.6 | 14.3 | 15.4 | 16.3 | 16.6 | 17.0 | 17.2 |
| 120 | min | 7.45 | 8.30 | 8.70 | 9.00 | 9.15 | 9.35 | 9.55 |
| 180 | min | 5.90 | 6.50 | 6.80 | 7.05 | 7.15 | 7.30 | 7.45 |
| 240 | min | 4.80 | 5.20 | 5.40 | 5.55 | 5.65 | 5.75 | 5.85 |
| 300 | min | 4.38 | 4.68 | 4.81 | 4.91 | 4.96 | 5.05 | 5.15 |
| 600 | min | 2.57 | 2.74 | 2.82 | 2.88 | 2.91 | 2.94 | 2.98 |
| 1200 | min | 1.30 | 1.41 | 1.50 | 1.53 | 1.54 | 1.56 | 1.58 |

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

| End Voltage | | 1.85V | 1.80V | 1.75V | 1.70V | 1.67V | 1.65V | 1.60V |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| Time | | | | | | | | |
| 5 | min | 15.3 | 17.6 | 18.9 | 19.5 | 19.7 | 19.9 | 20.2 |
| 10 | min | 10.5 | 11.7 | 11.9 | 12.1 | 12.2 | 12.3 | 12.4 |
| 15 | min | 7.86 | 8.52 | 9.01 | 9.22 | 9.29 | 9.37 | 9.45 |
| 30 | min | 4.39 | 4.94 | 5.11 | 5.25 | 5.30 | 5.35 | 5.41 |
| 60 | min | 2.39 | 2.64 | 2.76 | 2.87 | 2.9 | 2.94 | 2.97 |
| 120 | min | 1.34 | 1.46 | 1.52 | 1.56 | 1.57 | 1.59 | 1.61 |
| 180 | min | 1.10 | 1.16 | 1.19 | 1.21 | 1.22 | 1.23 | 1.24 |
| 240 | min | 0.855 | 0.911 | 0.936 | 0.962 | 0.968 | 0.975 | 0.983 |
| 300 | min | 0.790 | 0.826 | 0.839 | 0.851 | 0.855 | 0.860 | 0.866 |
| 600 | min | 0.437 | 0.464 | 0.476 | 0.485 | 0.489 | 0.493 | 0.498 |
| 1200 | min | 0.229 | 0.243 | 0.251 | 0.257 | 0.260 | 0.263 | 0.267 |

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%)