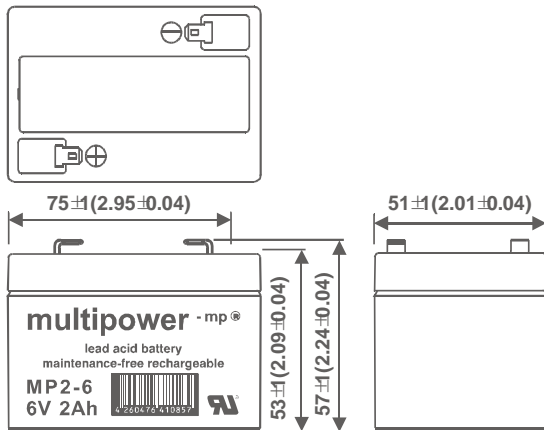
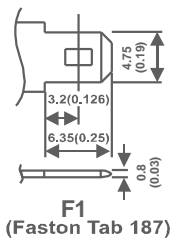


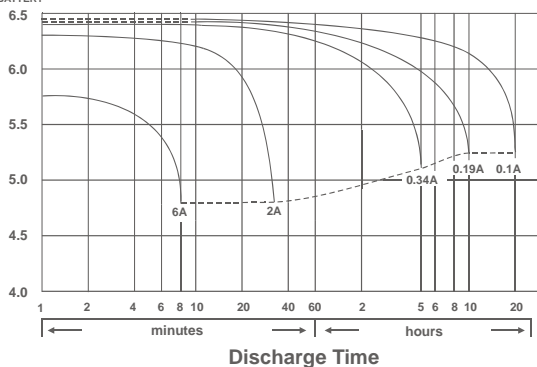
RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



(v)
FOR 6V
BATTERY

Discharge Time VS. Discharge Current (25°C)



MP2-6

Nominal Voltage (V) 6V

Nominal Capacity

| | | | | |
|--------------|--------|----|--------|---------|
| 20 hour rate | (0.1A | to | 5.25V) | 2.000Ah |
| 10 hour rate | (0.19A | to | 5.25V) | 1.900Ah |
| 5 hour rate | (0.34A | to | 5.10V) | 1.700Ah |
| 1 C | (2A | to | 4.8V) | 1.130Ah |
| 3 C | (6A | to | 4.8V) | 0.800Ah |

Weight Approx. 510g (1.12Lbs.)

Internal Resistance (at 1KHz) Approx. 26 mΩ

Maximum Discharge Current for

5 seconds: 30A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 7.35 to 7.40V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 0.6A

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%

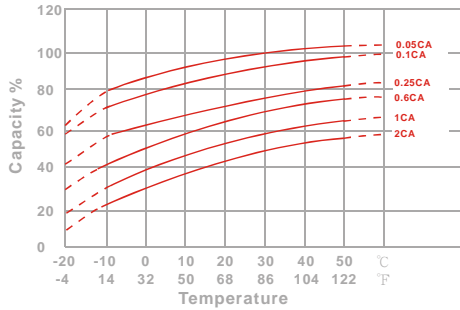
6 month 80%

Case Material ABS UL94 HB

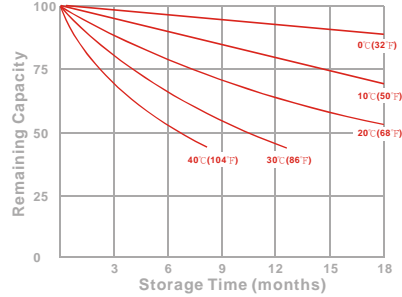
Terminal F1 (Faston Tab 187)

CHARACTERISTIC & PERFORMANCE DATA

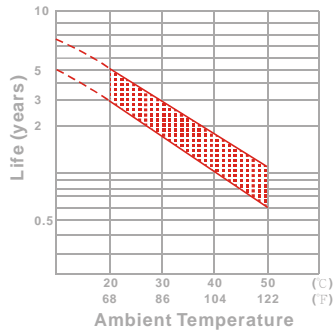
Effect of Temperature on Capacity 25°C (77°F)



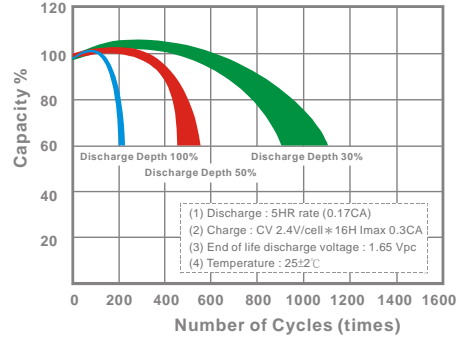
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts per Cell 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 5 | min | 9.67 | 11.0 | 12.0 | 12.9 | 13.3 | 13.7 | 14.2 |
| 10 | min | 6.31 | 7.26 | 8.09 | 8.65 | 8.87 | 9.10 | 9.46 |
| 15 | min | 5.51 | 6.14 | 6.50 | 6.78 | 6.88 | 7.00 | 7.14 |
| 30 | min | 3.57 | 3.87 | 4.07 | 4.23 | 4.30 | 4.35 | 4.42 |
| 60 | min | 2.18 | 2.31 | 2.39 | 2.46 | 2.48 | 2.51 | 2.55 |
| 120 | min | 1.29 | 1.38 | 1.44 | 1.49 | 1.50 | 1.52 | 1.55 |
| 180 | min | 0.883 | 0.960 | 1.01 | 1.05 | 1.07 | 1.08 | 1.11 |
| 240 | min | 0.693 | 0.757 | 0.800 | 0.830 | 0.840 | 0.853 | 0.870 |
| 300 | min | 0.587 | 0.643 | 0.680 | 0.703 | 0.710 | 0.720 | 0.735 |
| 600 | min | 0.371 | 0.390 | 0.403 | 0.413 | 0.419 | 0.425 | 0.430 |
| 1200 | min | 0.194 | 0.205 | 0.211 | 0.217 | 0.218 | 0.220 | 0.222 |

- Discharge Rates in Amperes per Battery 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 |
|-------------|-----|-------|-------|-------|-------|-------|-------|-------|
| 5 | min | 5.44 | 6.25 | 6.93 | 7.62 | 7.88 | 8.22 | 8.69 |
| 10 | min | 3.62 | 4.26 | 4.60 | 4.91 | 5.03 | 5.17 | 5.39 |
| 15 | min | 2.77 | 3.22 | 3.48 | 3.68 | 3.76 | 3.84 | 3.94 |
| 30 | min | 1.78 | 2.03 | 2.17 | 2.28 | 2.32 | 2.37 | 2.42 |
| 60 | min | 1.17 | 1.24 | 1.29 | 1.32 | 1.33 | 1.34 | 1.35 |
| 120 | min | 0.703 | 0.746 | 0.764 | 0.777 | 0.781 | 0.786 | 0.792 |
| 180 | min | 0.490 | 0.521 | 0.534 | 0.545 | 0.548 | 0.552 | 0.557 |
| 240 | min | 0.394 | 0.411 | 0.422 | 0.431 | 0.434 | 0.437 | 0.441 |
| 300 | min | 0.342 | 0.353 | 0.361 | 0.367 | 0.370 | 0.373 | 0.376 |
| 600 | min | 0.190 | 0.199 | 0.205 | 0.210 | 0.212 | 0.213 | 0.215 |
| 1200 | min | 0.098 | 0.103 | 0.106 | 0.109 | 0.110 | 0.111 | 0.112 |

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%)