

6SB5P 6Volt 5Ah

Specifications

Nominal Voltage(V) **6V**

Nominal Capacity

| | | | |
|--------------|------------|--------|--------|
| 20 hour rate | (0.225A to | 5.25V) | 5Ah |
| 10 hour rate | (0.428A to | 5.25V) | 4.75Ah |
| 5 hour rate | (0.765A to | 5.1V) | 4.25Ah |
| 1C | (4.5A to | 4.8V) | 2.83Ah |
| 3C | (13.5A to | 4.8V) | 2Ah |

Weight **Approx. 910g(2.0Lbs.)**

Internal Resistance (at 1KHz) **Approx. 18 mΩ**

Maximum Discharge Current for

5 seconds: **67.5A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **7.20 to 7.50V**

Coefficient -5.0mv/ /cell

Maximum Charging Current : **1.35A**

Standby use:

Float Charging Voltage **6.75 to 6.90V**

Coefficient -3.0mv/ /cell

Operating Temperature Range

Charge **-15 (5) to 40 (104)**

Discharge **-15 (5) to 50 (122)**

Storage **-15 (5) to 40 (104)**

Charge Retention (shelf life) at 20 (68)

1 month **92%**

3 month **90%**

6 month **80%**

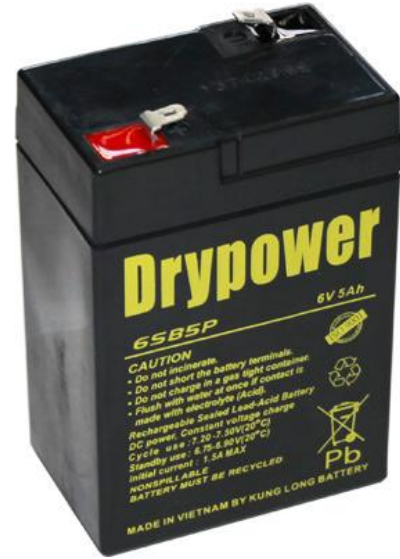
Case Material

ABS

(Option: UL94 HB & UL94 V-0 flame retardant)

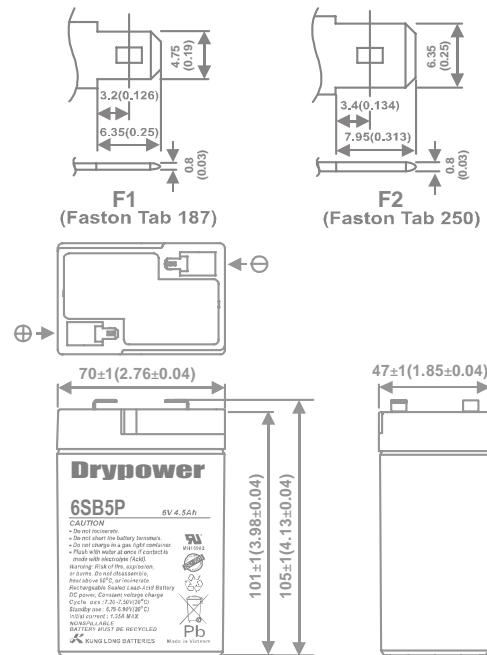
Terminal

F1 or F2 (Faston Tab 187 or 250)

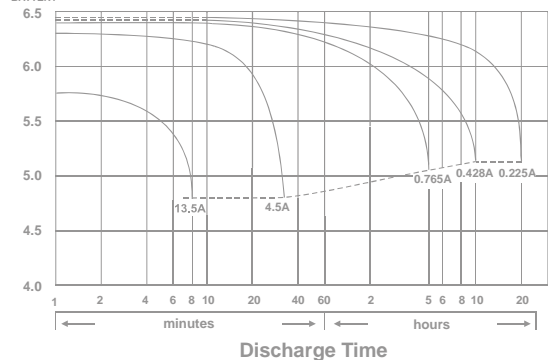


Dimensions

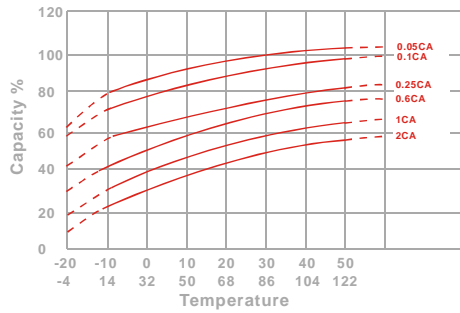
mm(inch)



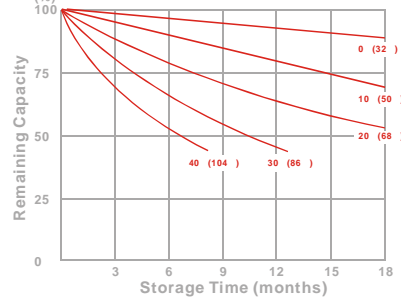
(v) Discharge Time VS. Discharge Current (25)



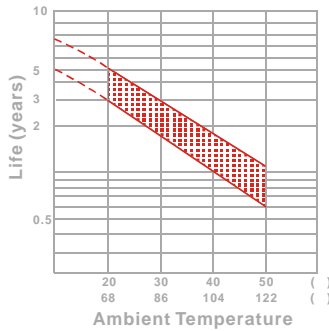
Effect of Temperature on Capacity 25 (77)



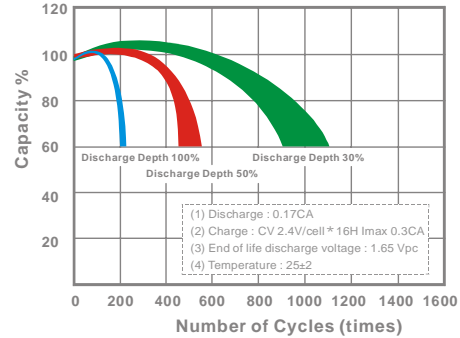
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

| 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 (77)

| 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 | 7.56 | 8.22 | 8.71 | 8.92 | 8.99 | 9.07 | 9.15 |
| 30 | min | 4.39 | 4.94 | 5.11 | 5.25 | 5.30 | 5.35 | 5.41 |
| 60 | min | 2.36 | 2.61 | 2.73 | 2.84 | 2.87 | 2.91 | 2.94 |
| 120 | min | 1.32 | 1.44 | 1.50 | 1.54 | 1.55 | 1.57 | 1.59 |
| 180 | min | 1.09 | 1.15 | 1.18 | 1.20 | 1.21 | 1.22 | 1.23 |
| 240 | min | 0.835 | 0.891 | 0.916 | 0.942 | 0.948 | 0.955 | 0.963 |
| 300 | min | 0.776 | 0.812 | 0.825 | 0.837 | 0.841 | 0.846 | 0.852 |
| 600 | min | 0.435 | 0.452 | 0.464 | 0.473 | 0.477 | 0.481 | 0.486 |
| 1200 | min | 0.219 | 0.233 | 0.241 | 0.247 | 0.250 | 0.253 | 0.257 |

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%)