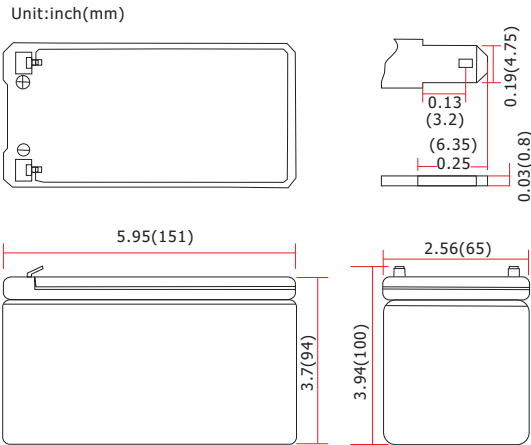


FBS-12G



| ■ Discharge Current and Discharge Duration Time | | ■ Specification | | |
|--|--|----------------------------|--------|--------------------|
| <p>Discharge Curves 77°F(25°C)</p> | | Nominal Voltage | 12V | |
| | | Rated Capacity (20hr Rate) | 8Ah | |
| | | Dimensions | Length | 5.94inches (151mm) |
| | | | Width | 2.56inches (65mm) |
| Height | 3.70inches (94mm) | | | |
| Total Height | 3.94inches (100mm) | | | |
| Weight | Approx. 5.07lbs (2.30kg) | | | |
| ■ Characteristics | | | | |
| Capacity 77°F(25°C) | 20hour rate (0.40A) | 8.0Ah | | |
| | 10hour rate (0.73A) | 7.3Ah | | |
| | 5hour rate (1.36A) | 6.8Ah | | |
| | 1hour rate (5.2A) | 5.2Ah | | |
| Internal Resistance | Full Charged, 77°F(25°C) | 23mΩ | | |
| Capacity Affected By Temperature (10hr Rate) | 104°F(40°C) | 102% | | |
| | 77°F(25°C) | 100% | | |
| | 32°F(0°C) | 85% | | |
| | 5°F(-15°C) | 65% | | |
| Self-Discharge 77°F(25°C) | Capacity after 3 month storage | 90% | | |
| | Capacity after 6 month storage | 80% | | |
| | Capacity after 9 month storage | 60% | | |
| Charge (Constant Voltage) | Initial Charge Current "LESS" than 2.40A | | | |
| | Cycle | 14.2-14.5V/77°F(25°C) | | |
| | Stand By | 13.4-13.7V/77°F(25°C) | | |

**These data are average values obtained from three Charge/Discharge cycles. Note: These are NOT minimum values.

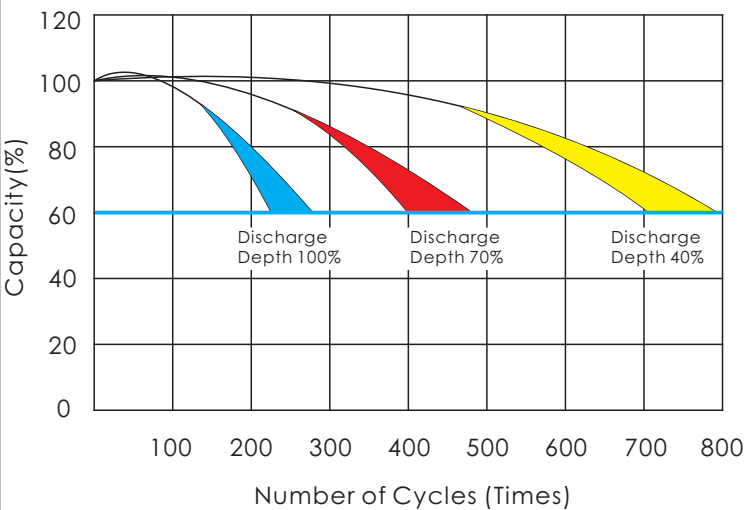
Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.6V | 29.9 | 20.6 | 15.7 | 9.68 | 5.6 | 3.11 | 2.32 | 1.48 | 0.98 | 0.81 | 0.43 |
| 10.0V | 27.7 | 19.4 | 14.9 | 9.36 | 5.52 | 3.05 | 2.28 | 1.46 | 0.96 | 0.79 | 0.42 |
| 10.2V | 26.6 | 18.9 | 14.6 | 9.28 | 5.44 | 3.01 | 2.27 | 1.45 | 0.95 | 0.78 | 0.41 |
| 10.5V | 24.4 | 17.7 | 14 | 9.04 | 5.32 | 2.99 | 2.23 | 1.43 | 0.94 | 0.77 | 0.4 |
| 10.8V | 22.1 | 16.4 | 13.1 | 8.72 | 5.2 | 2.94 | 2.18 | 1.4 | 0.92 | 0.76 | 0.39 |
| 11.1V | 19.3 | 14.8 | 12.1 | 8.24 | 5.08 | 2.9 | 2.12 | 1.36 | 0.9 | 0.75 | 0.38 |

Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

| F.V/Time | 5MIN | 10MIN | 15MIN | 30MIN | 1HR | 2HR | 3HR | 5HR | 8HR | 10HR | 20HR |
|----------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.6V | 321 | 227 | 177 | 109 | 64.2 | 35.9 | 26.3 | 17.3 | 11.4 | 9.36 | 4.88 |
| 10.0V | 295 | 212 | 167 | 106 | 62.8 | 35.2 | 26.1 | 17.1 | 11.3 | 9.2 | 4.84 |
| 10.2V | 281 | 206 | 162 | 104 | 62.2 | 34.5 | 25.6 | 16.8 | 11.2 | 9.12 | 4.8 |
| 10.5V | 259 | 193 | 154 | 101 | 61.1 | 33.7 | 24.5 | 16.6 | 11.1 | 9.04 | 4.76 |
| 10.8V | 234 | 178 | 145 | 97 | 59.6 | 33.3 | 24.1 | 16.2 | 10.8 | 8.88 | 4.72 |
| 11.1V | 208 | 161 | 135 | 93 | 58.1 | 32.8 | 23.8 | 15.8 | 10.5 | 8.72 | 4.56 |

Cycle Service Life (@25°C/77°F)



Capacity Retention Characteristic

