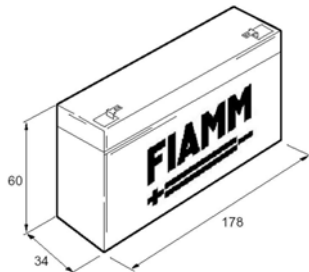


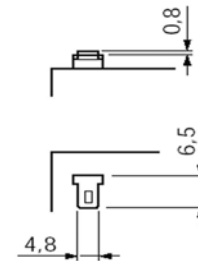
### PERFORMANCE SPECIFICATION FOR BATTERY TYPE FG 20201

|   |   |
|---|---|
| Nominal Voltage                               | 12 Volts  |
| Nominal Capacity                              | at 20 hour rate (100 mA to 10.5 Volts), 2 Ah      |
|   | at 5 hour rate (340 mA to 10.2 Volts) 1.7 Ah      |
|   | at 3 hour rate (540 mA to 10.2 Volts) 1.62 Ah     |
|   | at 1 hour rate (1.26 A to 9.6 Volts) 1.26 Ah      |
| Dimensions (mm)                               | Length=178, Width=34, Height=60, TH=65            |
| Approximate weight                            | 0.930 kg  |
| Energy Density                                | 66.39 Wh/l  |
| Specific Energy                               | 28.65 Wh/kg                                       |
| Internal Resistance (Fully charged battery)   | 160 mΩ  |
| Maximum discharge current in 5 seconds        | 20 A  |
| Recommended charging voltage (@20°C)          | floating use: 13.5-13.8 V cyclic use: 14.4-15.0 V |
| Thermal compensation factor                   | floating use: -18mV/°C cyclic use: -30mV/°C       |
| Maximum charging current                      | 0.4 A   |
| Terminals                                     | Flat lug type 4.8 mm                              |
| Torques                                       | n.a.  |
| Vibration Test                                |   |
| - (2000 cycles/min, 2,55 mm excursion, 2 hrs) | No loss in capacity or performance                |
| Shelf life - % of nominal capacity at 20°C    | 1 Month 97%                                       |
|   | 3 months 91%                                      |
|   | 6 months 83%                                      |
| Storage temperature                           | -20°C to 40°C                                     |
| Operative temperature range                   | Charge 0°C to 40°C                                |
|   | Discharge -20°C to 50°C                           |
| Case material                                 | Acrylonitrile-Butadiene-Styrene                   |
|   | Standard Case: according to UL-94 HB              |
|   | Also available: according to UL-94 VO             |
| Life expectancy (Stand-by use)                | 3 to 5 years according to Eurobat standards       |

**Dimensions mm(inch)**



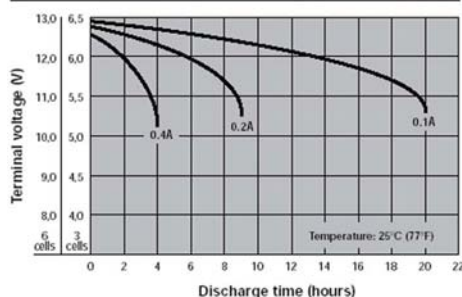
**Terminal type**



**Constant Current Discharge Table (Ampere)**

| Time       | 5'  | 10' | 15' | 20' | 30' | 45'  | 1h   | 2h   | 3h   | 5h   | 10h  | 20h  |
|------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 1,8V/Cell  | 6,9 | 4,6 | 3,5 | 2,9 | 2,2 | 1,60 | 1,28 | 0,74 | 0,53 | 0,35 | 0,19 | 0,1  |
| 1,75V/Cell | 7,3 | 4,8 | 3,6 | 3,0 | 2,2 | 1,62 | 1,29 | 0,74 | 0,53 | 0,35 | 0,19 | 0,1  |
| 1,7V/Cell  | 7,9 | 5,0 | 3,7 | 3,0 | 2,2 | 1,64 | 1,31 | 0,75 | 0,54 | 0,35 | 0,20 | 0,11 |
| 1,65V/Cell | 8,1 | 5,0 | 3,8 | 3,0 | 2,2 | 1,64 | 1,31 | 0,75 | 0,54 | 0,35 | 0,20 | 0,11 |
| 1,6V/Cell  | 8,3 | 5,1 | 3,8 | 3,1 | 2,3 | 1,65 | 1,32 | 0,75 | 0,54 | 0,35 | 0,20 | 0,11 |

**Discharge time vs. discharge current**



**Discharge time vs. discharge current**

