

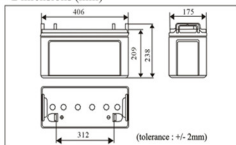
6GFM100 (12V100AH)

• Specification

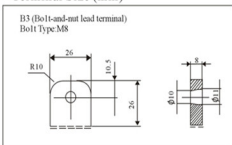
| | | |
|-------------------------|------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (10HR) | | 100AH |
| Dimensions | Length | 406 ± 1mm |
| | Width | 175 ± 1mm |
| | Container Height | 209 ± 2mm |
| | Total Height | 238 ± 2mm |
| Weight | | 30Kg |
| Standard Terminal | | B3 (Bolt-and-nut lead terminal) Bolt Type:M8 |



• Dimensions (mm)



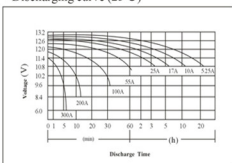
• Terminal Size (mm)



• Performance

| | | |
|----------------------------------|----------------------|---|
| Capacity (25°C) | 20 hour rate (5.25A) | 105Ah |
| | 10 hour rate (10.0A) | 100.0Ah |
| | 5 hour rate (17.0A) | 85Ah |
| | 3 hour rate (25.0A) | 75Ah |
| | 1 hour rate (55.0A) | 55Ah |
| Capacity affected by Temperature | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 85% |
| Internal Resistance | | Fully charged battery (25°C, 77°F) 5mΩ |
| Constant-Voltage Charge | Cycle | Constant Voltage 13.8~14.10V, The initial current is smaller than 40A |
| | Standby | Constant Voltage 13.40~13.60V, The initial current is smaller than 15A |

• Discharging curve (25°C)



Constant Current (Amp) and Constant Power (Watt) Discharge Table at (25°C)

| Time | | 5min | 10min | 15min | 30min | 1h | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|--------|---|------|-------|-------|-------|------|------|------|------|------|-------|------|------|
| 9.60V | A | 370 | 270 | 190 | 115 | 60 | 35 | 25.7 | 20.0 | 16.5 | 11.6 | 10.5 | 5.67 |
| | W | 3929 | 2867 | 2018 | 1221 | 695 | 405 | 298 | 232 | 191 | 135 | 122 | 65.7 |
| 10.20V | A | 326 | 246 | 170 | 109.0 | 56.4 | 33.4 | 25.0 | 19.5 | 16.2 | 11.4 | 10.2 | 5.53 |
| | W | 3619 | 2731 | 1887 | 1210 | 653 | 387 | 290 | 226 | 1501 | 132 | 119 | 64.0 |
| 10.50V | A | 314 | 234 | 160 | 106 | 55 | 32.6 | 24.4 | 19.2 | 16.0 | 11.3 | 10.0 | 5.46 |
| | W | 3561 | 2654 | 1814 | 1202 | 632 | 378 | 283 | 222 | 185 | 131 | 117 | 63.2 |
| 10.80V | A | 302 | 222 | 150 | 103 | 53 | 31.8 | 23.8 | 18.9 | 15.6 | 11.0 | 10.0 | 5.40 |
| | W | 3515 | 2584 | 1746 | 1199 | 615 | 370 | 277 | 218 | 182 | 128 | 116 | 62.9 |
| 11.10V | A | 290 | 210 | 140 | 100 | 51 | 31.0 | 18.4 | 18.3 | 15.2 | 107.7 | 9.50 | 5.13 |
| | W | 3451 | 2499 | 1666 | 1190 | 607 | 369 | 274 | 217 | 181 | 127 | 113 | 61.0 |