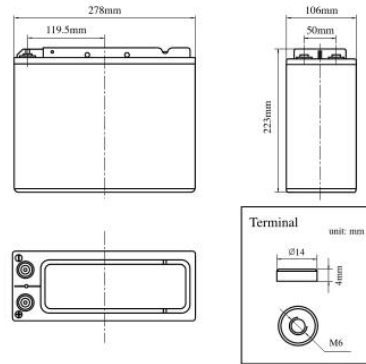


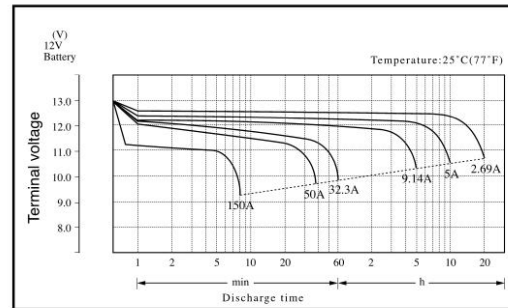
12AFT55



Specifications

| | | |
|------------------------------|-------------------------------|-------------------------|
| Nominal Voltage | | 12V |
| Rated Capacity(10 hour rate) | | 50AH |
| Dimension | Total Height (with terminals) | 223mm(8.78inches) |
| | Height | 223mm(8.78inches) |
| | Length | 278mm(10.94inches) |
| | Width | 106mm(4.17inches) |
| Weight | | Approx.17.5kg(38.58lbs) |

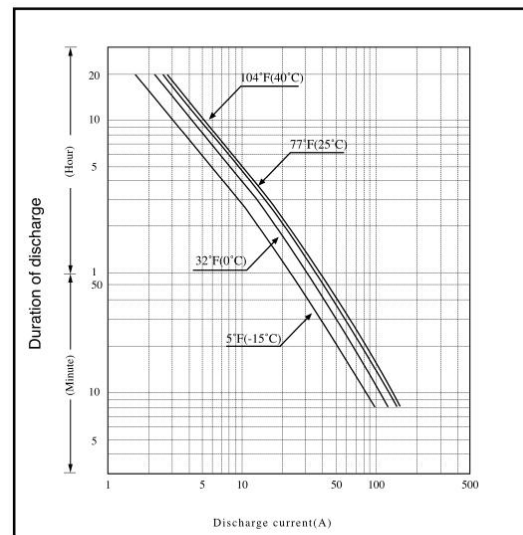
Discharge characteristics 77°F (25°C)



Characteristics

| | | |
|---|---------------------------------|---|
| Capacity 77°F(25°C) | 20 hour rate(2.69A) | 53.8AH |
| | 10 hour rate(5A) | 50AH |
| | 5 hour rate(9.14A) | 45.7AH |
| | 1 hour rate(32.3A) | 32.3AH |
| | 15 min rate(94A) | 23.5AH |
| Internal Resistance | Full charged Battery 77°F(25°C) | 8mΩ |
| Capacity affected by Temperature (20 hour 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 | 91% |
| | Capacity after 6 month storage | 82% |
| | Capacity after 12 month storage | 64% |
| Max. Discharge Current 77°F(25°C) | 750A(5S) | |
| Terminal | Standard | F13 |
| | Optional | |
| Charging (Constant Voltage) | Cycle | Initial Charging Current 10A Or Small 14.5V~14.9V/77°F(25°C) |
| | Float | 13.6V~13.8V/77°F(25°C) |

Duration of discharge vs. Discharge current



Constant Power discharge Watts Per Cell 77°F (25°C)

| Cut off voltageV/cell | 5M | 10M | 15M | 30M | 45M | 1H | 2H | 3H | 5H | 8H | 10H | 12H | 24H |
|-----------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| 1.60V | 365 | 257 | 205 | 122 | 89.2 | 71.1 | 41.3 | 28.9 | 19.4 | 12.5 | 10.4 | 8.99 | 4.61 |
| 1.65V | 360 | 255 | 203 | 121 | 88.3 | 70.3 | 40.9 | 28.5 | 19.4 | 12.5 | 10.4 | 8.99 | 4.61 |
| 1.67V | 356 | 252 | 200 | 120 | 87.4 | 69.7 | 40.3 | 28.3 | 19.4 | 12.5 | 10.4 | 8.99 | 4.61 |
| 1.70V | 346 | 246 | 194 | 117 | 85.5 | 68.9 | 40.2 | 28.0 | 19.4 | 12.5 | 10.4 | 8.99 | 4.61 |
| 1.75V | 334 | 233 | 187 | 113 | 83.6 | 67.7 | 39.6 | 27.7 | 19.1 | 12.3 | 10.3 | 8.99 | 4.61 |
| 1.80V | 323 | 229 | 180 | 110 | 81.7 | 66.6 | 39.1 | 27.4 | 18.8 | 12.1 | 10.2 | 8.89 | 4.61 |

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.