

FAS1075
Power Patrol
 By **INTERSTATE BATTERIES**

FIRE & SECURITY



RA.V1

Technical Specifications

| | |
|------------------|----------------------------------|
| Nominal Voltage | 12V |
| Nominal Capacity | 7.0Ah (20 Hr Rate to 1.75V/cell) |
| Chemistry | Lead Acid - AGM |

Physical Specifications

| | | |
|-------------------|-------------------|---------|
| Length | 151mm | 5.94in |
| Width | 65mm | 2.56in |
| Height | 94mm | 3.70in |
| Height w/Terminal | 100mm | 3.93in |
| Weight (+/- 5%) | 2.00Kg | 4.41lbs |
| Terminal Type | .187" Faston Tabs | |
| Case Material | Black ABS | |

Charging Specifications

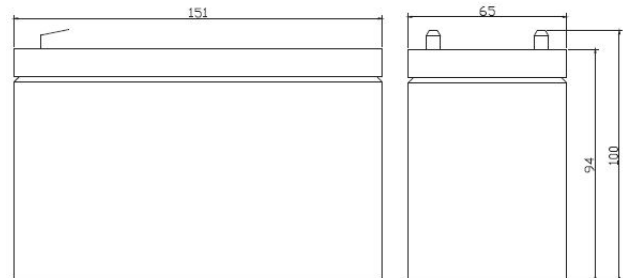
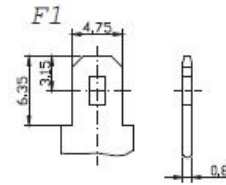
| Charge Voltage | Battery | Per Cell |
|--------------------------|-------------------------|-------------|
| Float | 13.7V~13.9V | 2.28V~2.31V |
| Cycle | 14.6V~14.8V | 2.43V~2.46V |
| Max. Charge Current | 2.1A | |
| Charge Temperature Range | 32°F (0°C) 122°F (50°C) | |

Capacity Specifications

| | |
|----------------------------------|------------------------------|
| 5 Second Discharge Current | 70A |
| Self Discharge (to 80% capacity) | 1 Month 97% |
| | 3 Months 91% |
| | 6 Months 83% |
| Internal Resistance | 30 mΩ (25°C) |
| Discharge Temperature Range | -4°F (-20°C) to 140°F (60°C) |

FEATURES:

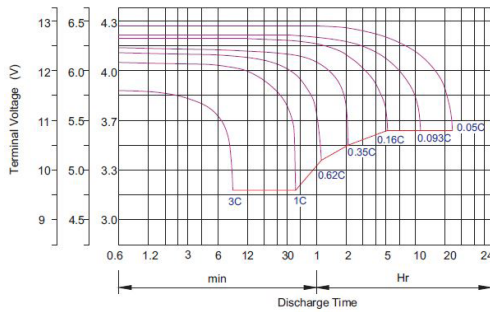
- Professional-grade quality developed specifically for fire & security applications
- Designed for optimum efficiency and long life in float charge devices
- Industry-leading AGM design
- VRLA technology to eliminate spills and over-pressurization
- Flexibility of mounting orientation
- Maintenance-free



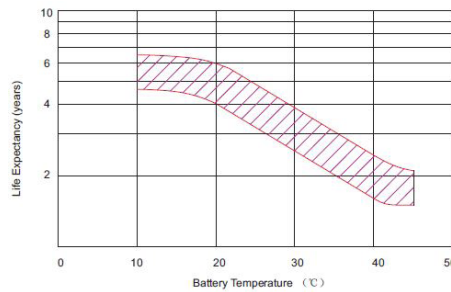
Interstate All Battery Center
 4301 121st Street Urbandale, IA 50323

866-884-4635
 www.InterstateBatteries.com

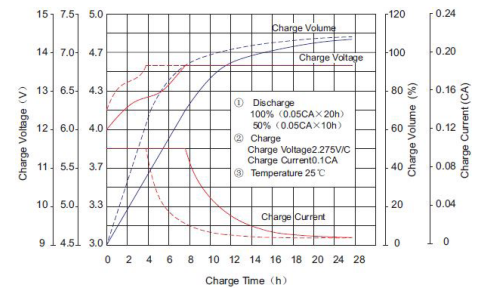
Discharge Characteristics



Discharging Current VS Discharging Time



Charging Characteristics for Standby Use



| Constant Current Discharge Characteristics: A (25°C) | | | | | | | | | | |
|--|--------|---------|---------|---------|---------|-------|-------|-------|--------|--------|
| F.V/Time | 5 min. | 10 min. | 15 min. | 20 min. | 30 min. | 1 hr. | 2 hr. | 5 hr. | 10 hr. | 20 hr. |
| 1.85V/cell | 16.77 | 12.74 | 8.895 | 7.329 | 5.995 | 4.228 | 2.344 | 1.187 | 0.657 | 0.334 |
| 1.80V/cell | 19.17 | 13.90 | 10.73 | 8.301 | 6.232 | 4.331 | 2.442 | 1.192 | 0.667 | 0.339 |
| 1.75V/cell | 21.39 | 14.90 | 11.37 | 8.711 | 6.445 | 4.392 | 2.462 | 1.198 | 0.679 | 0.353 |
| 1.70V/cell | 23.80 | 15.94 | 12.05 | 9.122 | 6.628 | 4.446 | 2.495 | 1.208 | 0.682 | 0.361 |
| 1.67V/cell | 25.28 | 16.77 | 12.40 | 9.338 | 6.730 | 4.489 | 2.521 | 1.216 | 0.693 | 0.371 |
| 1.60V/cell | 26.23 | 17.20 | 12.81 | 9.574 | 6.818 | 4.549 | 2.573 | 1.227 | 0.700 | 0.375 |

| Constant Power Discharge Characteristics: W (25°C) | | | | | | | | | | |
|--|--------|---------|---------|---------|---------|-------|-------|-------|--------|--------|
| F.V/Time | 5 min. | 10 min. | 15 min. | 20 min. | 30 min. | 1 hr. | 2 hr. | 5 hr. | 10 hr. | 20 hr. |
| 1.85V/cell | 31.90 | 24.68 | 19.32 | 15.29 | 11.87 | 8.44 | 4.69 | 2.38 | 1.32 | 0.67 |
| 1.80V/cell | 36.17 | 26.52 | 20.52 | 16.03 | 12.20 | 8.63 | 4.86 | 2.38 | 1.34 | 0.68 |
| 1.75V/cell | 40.08 | 28.33 | 21.72 | 16.74 | 12.50 | 8.75 | 4.89 | 2.39 | 1.36 | 0.71 |
| 1.70V/cell | 43.92 | 29.55 | 22.92 | 17.43 | 12.76 | 8.87 | 4.94 | 2.41 | 1.37 | 0.72 |
| 1.67V/cell | 46.18 | 30.77 | 23.22 | 17.63 | 12.87 | 8.93 | 4.99 | 2.43 | 1.38 | 0.74 |
| 1.60V/cell | 47.42 | 31.43 | 23.55 | 17.86 | 13.01 | 9.07 | 5.05 | 2.45 | 1.40 | 0.75 |