

FAS1075
Power
Patrol®

FIRE & SECURITY

Replacement for
Simplex 2081-9272



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

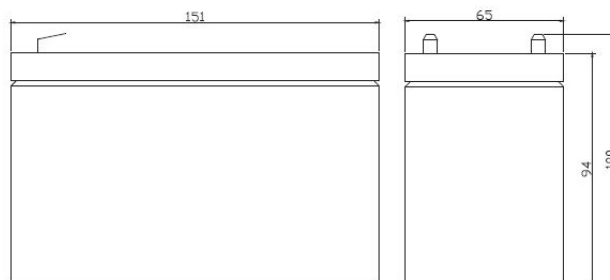
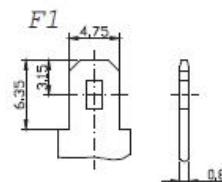
Charge Voltage	Battery	Per Cell
Float	13.7V~13.9V	2.28V~2.31V
Cycle	14.6V~14.8V	2.43V~2.46V
Max. Charge Current	2.1A	
Charge Temperature Range	32°F (0°C) 122°F (50°C)	

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)

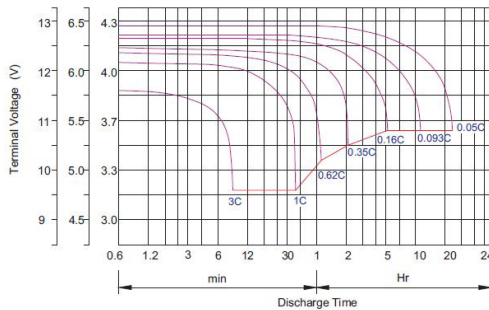
FEATURES:

- 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

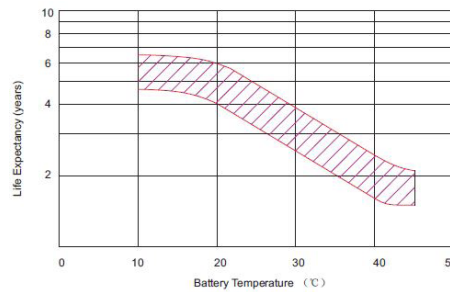




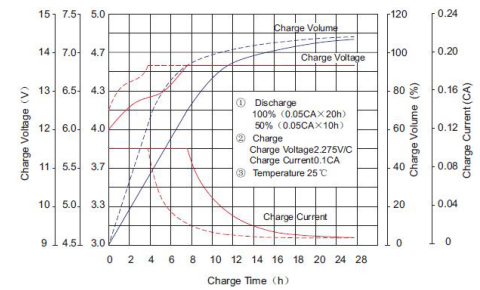
Discharge Characteristics



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