



NP1270

General Purpose AGM Battery

General Features

- Oxygen recombination technology: maintenance-free, no need to add water or acid
- The patent grid alloy: less gassing, low self-discharge, excellent corrosion resistance
- Design life is 3~5 years at 25°C under standby application, deep discharge recoverability
- High quality AGM separator: extend cycle life and prevent micro short circuit
- ABS container: increase the strength of battery



Application

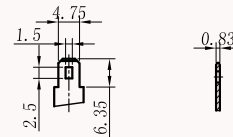
- Uninterrupted Power Supply
- Emergency Power Supply
- Power Tools
- Security System
- Communication Equipment
- Fire Alarm
- Factory automation equipment
- Portable Electric Device

Specification

Nominal Voltage	12V
Nominal Capacity	7.0 Ah, C20@1.80Vpc, 25°C (77°F)
Dimension	Length 151mm (5.94 inch)
	Width 65.5mm (2.58 inch)
	Container Height 93.5mm (3.68 inch)
	Total Height (With Terminal) 99.5mm (3.92 inch)
Rated Capacity (25°C/77°F)	7.0 Ah/(20Hr, 1.80V/cell)
	6.6 Ah/(10Hr, 1.80V/cell)
	5.8 Ah/(5Hr, 1.75V/cell)
	5.0 Ah/(3Hr, 1.75V/cell)
Weight	2.3 Ah/(1Hr, 1.70V/cell)
	1.90 Kg ±5% (4.19 lbs)
	Terminal Tab F1
Container Material	ABS
Operating Temp. Range	Discharge: -20 to +50°C(-4~122°F)
	Charge: -20 to +50°C(-4~122°F)
	Storage: -20 to +50°C(-4~122°F)
Capacity affected by Temperature	102% @ 40°C(104°F)
	100% @ 25°C(77°F)
	85% @ 0°C(32°F)
	65% @ -15°C(5°F)

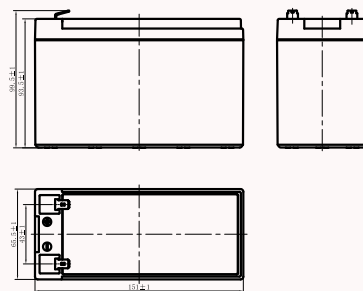
Terminal

Unit:mm



Dimension

Unit:mm



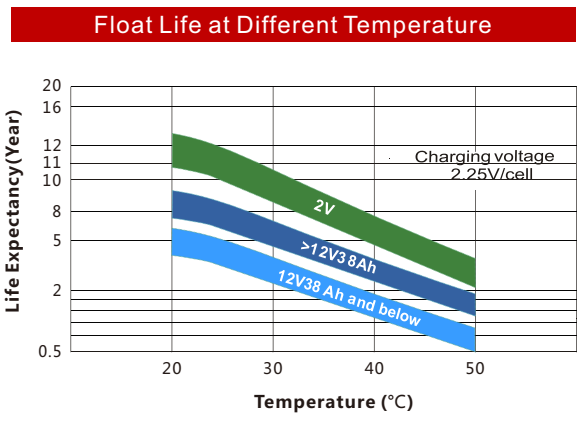
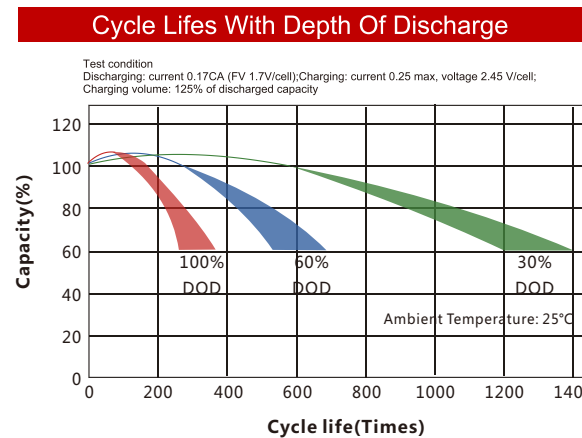
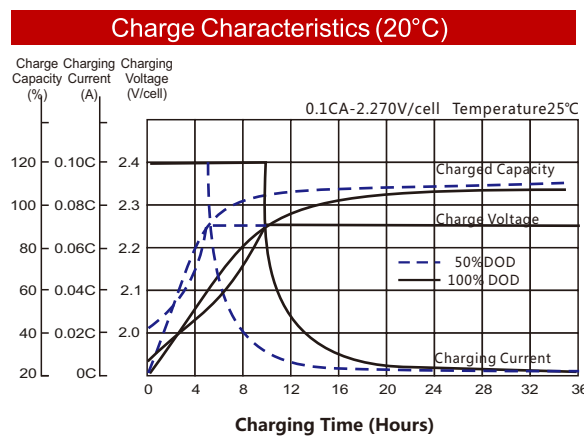
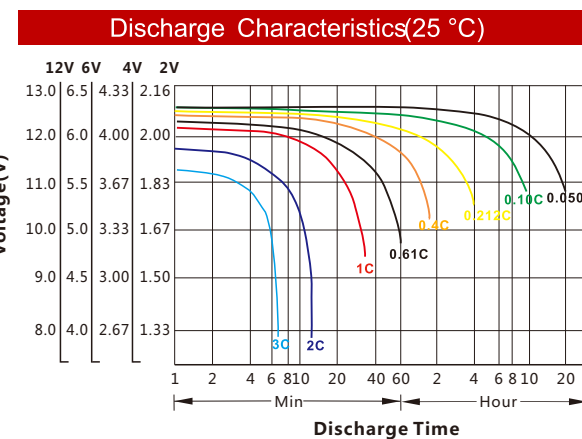
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Charge Performance

Constant Current Discharge Table (25°C/77°F) Unit: A														
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	14.68	12.24	10.05	7.02	4.88	3.80	2.14	1.57	1.29	1.11	0.97	0.78	0.648	0.345
1.80V/cell	15.52	12.71	10.29	7.21	4.99	3.89	2.19	1.61	1.32	1.13	0.99	0.80	0.664	0.350
1.75V/cell	15.96	13.03	10.55	7.38	5.12	3.98	2.24	1.66	1.35	1.16	1.02	0.82	0.678	0.359
1.70V/cell	16.32	13.30	10.81	7.54	5.28	4.10	2.31	1.70	1.39	1.19	1.05	0.85	0.693	0.366
1.65V/cell	16.84	13.59	11.09	7.70	5.39	4.19	2.37	1.74	1.42	1.22	1.07	0.86	0.703	0.372
1.60V/cell	17.56	14.10	11.45	7.93	5.52	4.30	2.46	1.79	1.46	1.25	1.09	0.88	0.720	0.379

Constant Power Discharge Table (25°C/77°F) Unit: W														
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	27.81	23.47	19.51	13.82	9.67	7.56	4.31	3.17	2.62	2.26	1.97	1.60	1.330	0.711
1.80V/cell	29.31	24.31	19.91	14.14	9.87	7.73	4.38	3.24	2.68	2.31	2.03	1.64	1.358	0.719
1.75V/cell	30.03	24.83	20.33	14.44	10.11	7.89	4.48	3.33	2.74	2.36	2.07	1.68	1.385	0.735
1.70V/cell	30.62	25.26	20.75	14.71	10.41	8.11	4.60	3.40	2.80	2.41	2.12	1.72	1.410	0.745
1.65V/cell	31.48	25.74	21.23	14.98	10.59	8.26	4.70	3.47	2.85	2.46	2.15	1.74	1.427	0.757
1.60V/cell	32.66	26.57	21.81	15.35	10.80	8.44	4.87	3.57	2.92	2.51	2.20	1.78	1.456	0.768



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