



NP12220

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

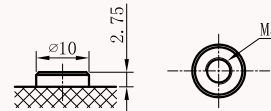
- Uninterrupted Power Supply
- Emergency Power Supply
- Power Tools
- Security System
- Communication Equipment
- Fire Alarm
- Factory automation equipment
- Portable Electric Device

Specification

Nominal Voltage	12V
Nominal Capacity	22 Ah, C20@1.80Vpc, 25°C (77°F)
Dimension	Length 182mm (7.17 inch)
	Width 77mm (3.03 inch)
	Container Height 170mm (6.69 inch)
	Total Height (With Terminal) 170mm (6.69 inch)
Rated Capacity (25°C/77°F)	22 Ah/(20Hr, 1.80V/cell)
	21 Ah/(10Hr, 1.80V/cell)
	19 Ah/(5Hr, 1.75V/cell)
	18 Ah/(3Hr, 1.75V/cell)
Weight	9 Ah/(1Hr, 1.70V/cell)
	6.0 Kg ±5% (13.23 lbs)
	Terminal M5
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)

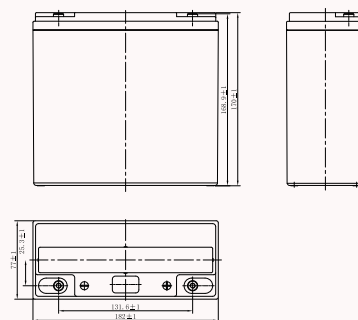
Terminal

Unit:mm



Dimension

Unit:mm



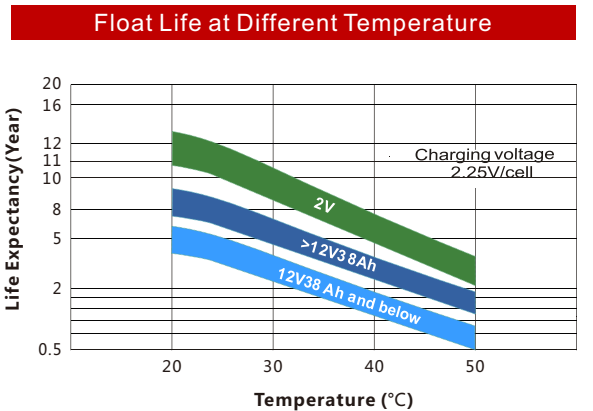
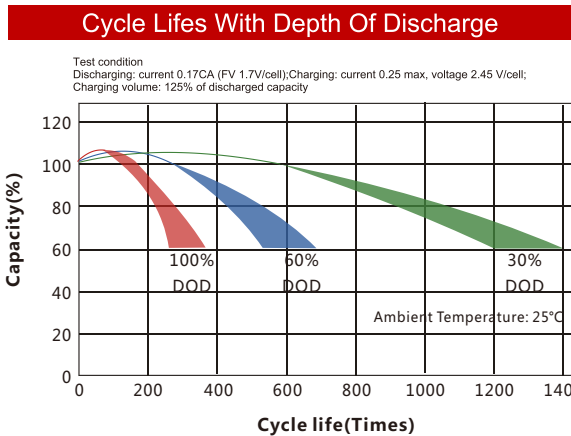
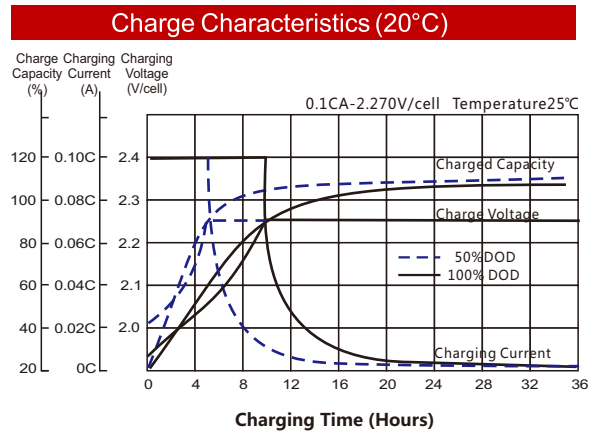
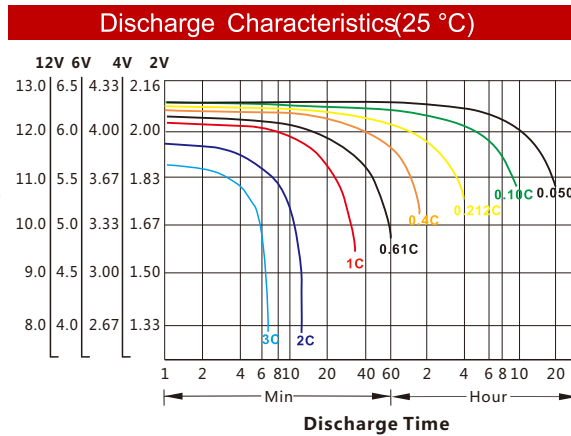
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Charge Performance

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	47.70	40.62	33.39	24.55	17.53	13.89	8.30	5.69	4.34	3.54	2.99	2.34	2.05	1.09
1.80V/cell	49.74	41.64	34.22	25.36	17.98	14.29	8.49	5.83	4.44	3.62	3.06	2.40	2.12	1.10
1.75V/cell	52.02	42.74	35.04	26.12	18.71	14.84	8.72	5.99	4.56	3.75	3.17	2.48	2.16	1.12
1.70V/cell	53.30	44.18	35.93	26.75	19.19	15.33	8.94	6.11	4.70	3.85	3.26	2.56	2.21	1.13
1.65V/cell	54.95	45.20	36.82	27.35	19.81	15.88	9.14	6.28	4.81	3.95	3.35	2.62	2.25	1.16
1.60V/cell	57.24	46.81	38.03	28.07	20.35	16.20	9.41	6.48	4.97	4.05	3.43	2.69	2.30	1.17

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	89.54	76.82	63.91	47.47	34.18	27.19	16.36	11.27	8.62	7.05	5.97	4.67	4.12	2.18
1.80V/cell	92.11	77.89	64.75	48.48	34.77	27.83	16.65	11.50	8.78	7.17	6.09	4.79	4.23	2.20
1.75V/cell	94.62	78.88	65.65	49.52	35.95	28.74	17.03	11.76	9.00	7.41	6.29	4.92	4.31	2.23
1.70V/cell	95.12	80.65	66.63	50.33	36.66	29.58	17.38	11.97	9.23	7.59	6.44	5.08	4.40	2.26
1.65V/cell	97.04	81.65	67.93	51.11	37.68	30.52	17.71	12.25	9.43	7.76	6.60	5.19	4.47	2.30
1.60V/cell	98.52	83.15	69.21	52.03	38.37	30.86	18.10	12.55	9.68	7.92	6.75	5.30	4.56	2.33



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