



NP12750

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 6~9 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	75 Ah, C20@1.80Vpc, 25°C (77°F)
Dimension	Length 260mm (10.24 inch)
	Width 168mm (6.61 inch)
	Container Height 211mm (8.31 inch)
	Total Height (With Terminal) 213.5mm (8.41 inch)
Rated Capacity (25°C/77°F)	75 Ah/(20Hr, 1.80V/cell)
	72 Ah/(10Hr, 1.80V/cell)
	64 Ah/(5Hr, 1.75V/cell)
	61 Ah/(3Hr, 1.75V/cell)
Weight	30 Ah/(1Hr, 1.70V/cell)
	22.3 Kg ±5% (49.16 lbs)
	Terminal M6
Container Material	ABS
	Discharge: -20 to +50°C(-4~122°F)
Operating Temp. Range	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)

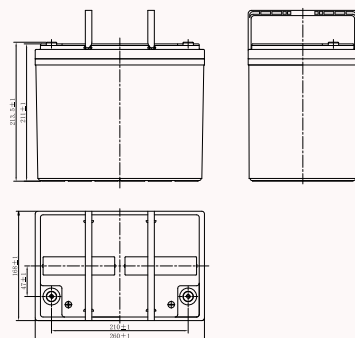
Terminal

Unit:mm



Dimension

Unit:mm



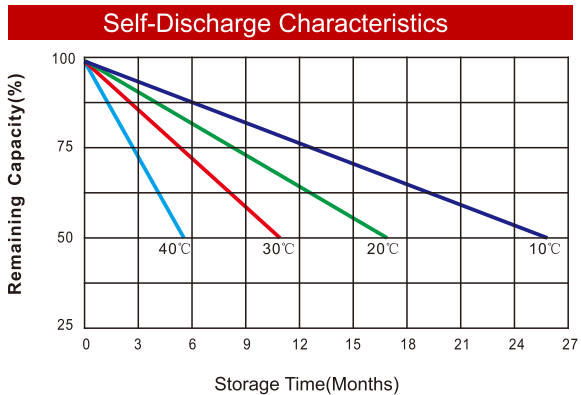
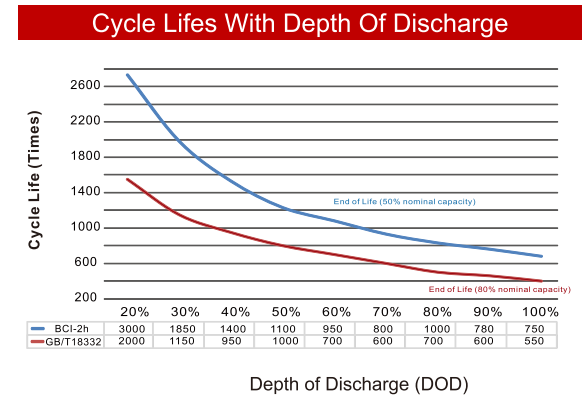
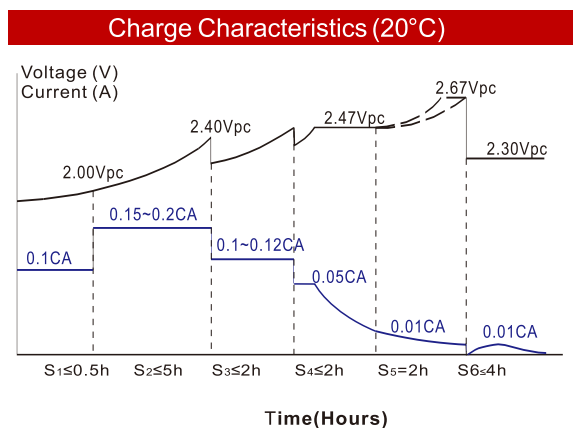
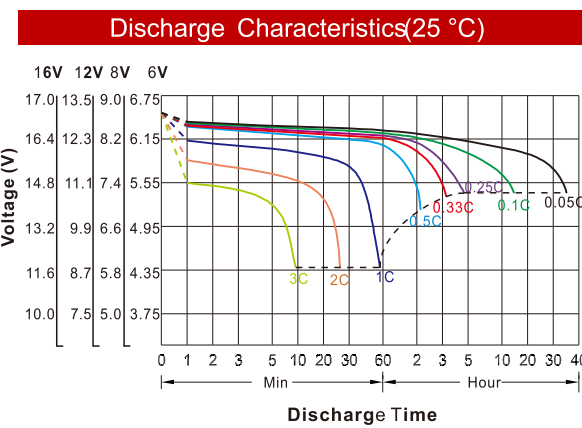
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YHI POWER Pty. Ltd Melbourne Head Office: 20-22 Venture Way, Braeside, VIC 3195 Ph: 03 9588 1888 Web: yhipower.com.au

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	162.5	138.3	113.7	83.61	59.69	47.29	28.27	19.37	14.76	12.06	10.18	7.96	7.00	3.70
1.80V/cell	169.4	141.8	116.5	86.35	61.23	48.66	28.92	19.86	15.11	12.32	10.43	8.19	7.22	3.75
1.75V/cell	177.2	145.6	119.3	88.95	63.73	50.54	29.71	20.38	15.54	12.76	10.81	8.43	7.37	3.81
1.70V/cell	181.5	150.5	122.4	91.12	65.37	52.20	30.43	20.82	15.99	13.11	11.09	8.73	7.53	3.86
1.65V/cell	187.1	153.9	125.4	93.14	67.48	54.08	31.12	21.40	16.39	13.44	11.41	8.93	7.66	3.93
1.60V/cell	194.9	159.4	129.5	95.59	69.31	55.16	32.06	22.07	16.93	13.79	11.70	9.15	7.83	4.00

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	304.9	261.6	217.7	161.7	116.4	92.60	55.73	38.37	29.35	24.03	20.32	15.92	14.02	7.42
1.80V/cell	313.7	265.3	220.5	165.1	118.4	94.78	56.70	39.16	29.91	24.43	20.76	16.32	14.42	7.51
1.75V/cell	322.2	268.6	223.6	168.6	122.4	97.89	58.00	40.05	30.65	25.24	21.42	16.75	14.69	7.60
1.70V/cell	324.0	274.7	226.9	171.4	124.9	100.8	59.21	40.76	31.43	25.86	21.93	17.31	14.99	7.71
1.65V/cell	330.5	278.1	231.4	174.0	128.3	103.9	60.31	41.73	32.10	26.42	22.49	17.68	15.22	7.84
1.60V/cell	335.5	283.2	235.7	177.2	130.7	105.1	61.65	42.76	32.96	26.98	22.99	18.06	15.53	7.95



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