



NPD62250

AGM Deep Cycle Battery

General Features

- Oxygen recombination technology: maintenance-free.
- The patent grid alloy: less gassing, low self-discharging.
- Special paste formula: additives for deep discharge, long cycle life.
- High quality AGM separator: extend cycle life and prevent micro short circuit.
- The patent Nano silica gel electrolytes: improve the deep discharge performance.
- Cast on strap (COS) welding technology for high consistency and reliability.
- ABS container: increase the strength of battery.

Application

- Electric vehicle
- Lawn mowers
- Illumination light
- Wheelchairs
- Sweeper
- Electric toys
- Electric tools
- Golf trolley and golf cart

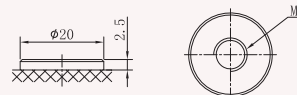
Specification

Nominal Voltage	6V
Nominal Capacity	225Ah ,C20@1.80Vpc, 25°C(77°F)
Dimension	Length 260mm(10.24 inch)
	Width 180mm(7.09 inch)
	Container Height 247mm(9.72 inch)
	Total Height (With Terminal) 252mm(9.92 inch)
Rated Capacity (25°C/77°F)	225Ah/(20Hr, 1.80V/cell)
	216Ah/ (10Hr, 1.80V/cell)
	191Ah/(5Hr, 1.75V/cell)
	183Ah/(3Hr, 1.75V/cell)
	156Ah/(1Hr, 1.70V/cell)
Weight	30Kg ±5% (134.48lbs)
Terminal	Female Copper Insert M8
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)



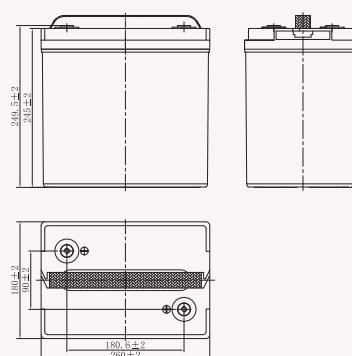
Terminal

Unit:mm



Dimension

Unit:mm



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

Discharge performance

Constant Current Discharge Table (25°C/77°F) Unit: A

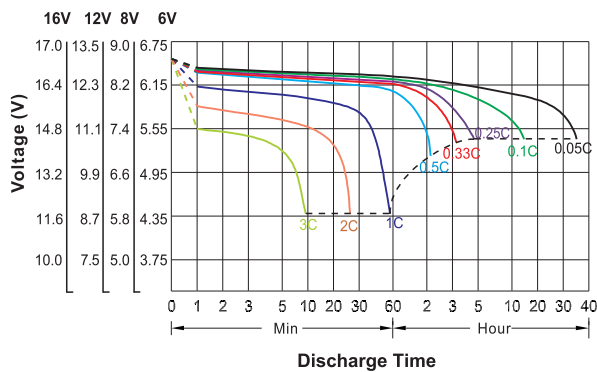
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	712.8	486.0	413.9	340.2	250.1	178.6	141.5	84.6	58.0	44.2	36.1	30.46	23.81	20.93	11.06
1.80V/cell	769.8	506.7	424.2	348.6	258.3	183.2	145.6	86.5	59.4	45.2	36.9	31.21	24.49	21.60	11.23
1.75V/cell	813.9	530.1	435.5	357.0	266.1	190.7	151.2	88.9	61.0	46.5	38.2	32.33	25.22	22.06	11.39
1.70V/cell	837.2	543.0	450.1	366.1	272.6	195.6	156.2	91.0	62.3	47.8	39.2	33.19	26.11	22.52	11.56
1.65V/cell	852.8	559.9	460.5	375.2	278.6	201.9	161.8	93.1	64.0	49.0	40.2	34.13	26.73	22.91	11.77
1.60V/cell	874.8	583.2	476.9	387.5	286.0	207.4	165.0	95.9	66.0	50.7	41.3	34.99	27.38	23.44	11.97

Constant Power Discharge Table (25°C/77°F) Unit: W

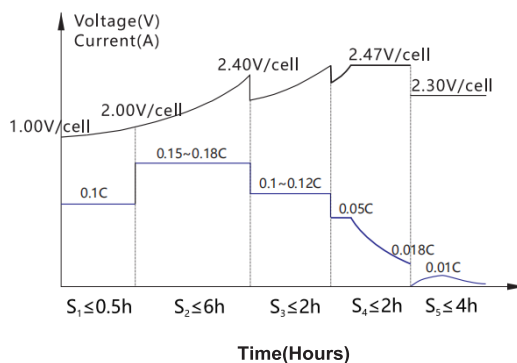
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1327.4	912.3	782.7	651.2	483.6	348.2	277.00	166.7	114.8	87.8	71.9	60.79	47.62	41.93	22.20
1.80V/cell	1414.5	938.5	793.6	659.7	493.9	354.3	283.60	169.6	117.1	89.5	73.1	62.09	48.81	43.14	22.47
1.75V/cell	1460.1	964.0	803.6	668.9	504.5	366.3	292.8	173.5	119.8	91.7	75.5	64.08	50.12	43.95	22.74
1.70V/cell	1464.3	969.2	821.7	678.8	512.8	373.5	301.4	177.1	121.9	94.0	77.4	65.62	51.80	44.83	23.07
1.65V/cell	1469.8	988.7	831.9	692.1	520.7	383.9	311.0	180.4	124.9	96.0	79.0	67.29	52.91	45.52	23.45
1.60V/cell	1473.4	1003.8	847.2	705.2	530.1	390.9	314.5	184.4	127.9	98.6	80.7	68.77	54.04	46.46	23.78

Performance Curve

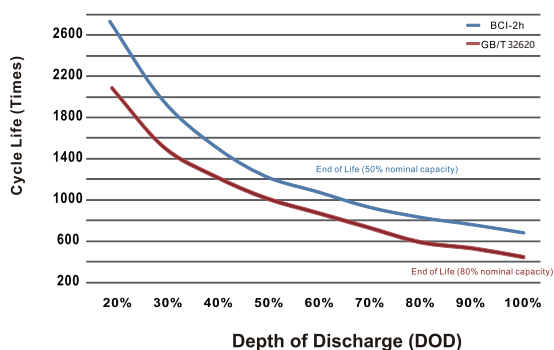
Discharge Characteristics (25°C)



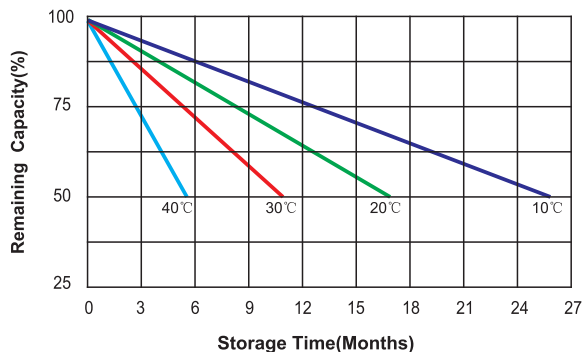
Charge Characteristics (20°C)



Discharge Characteristics (25°C)



Discharge Characteristics (25°C)



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