



# NPD62450

## 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	245Ah ,C20@1.80Vpc, 25°C(77°F)
Dimension	Length 260mm(10.24 inch)
	Width 180mm(7.09 inch)
	Container Height 272mm(10.70 inch)
	Total Height (With Terminal) 274mm(10.78 inch)
Rated Capacity (25°C/77°F)	245Ah/(20Hr, 1.80V/cell)
	236Ah/ (10Hr, 1.80V/cell)
	209Ah/(5Hr, 1.75V/cell)
	200Ah/(3Hr, 1.75V/cell)
Weight	171Ah/(1Hr, 1.70V/cell)
	36Kg ±5% (134.48lbs)
	Terminal Female Copper Insert I7
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)

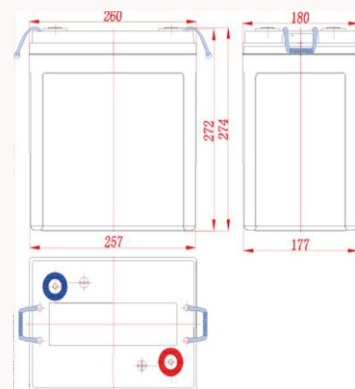
### Terminal

Unit:mm



### Dimension

Unit:mm



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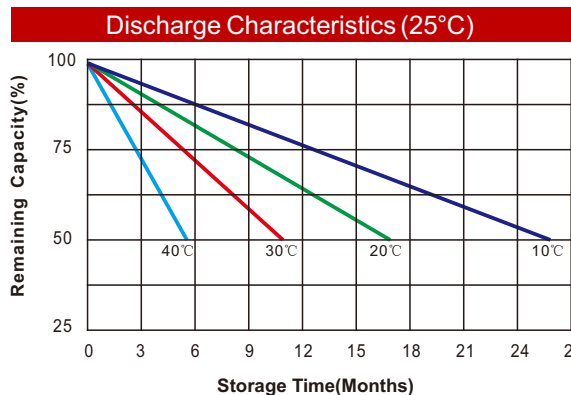
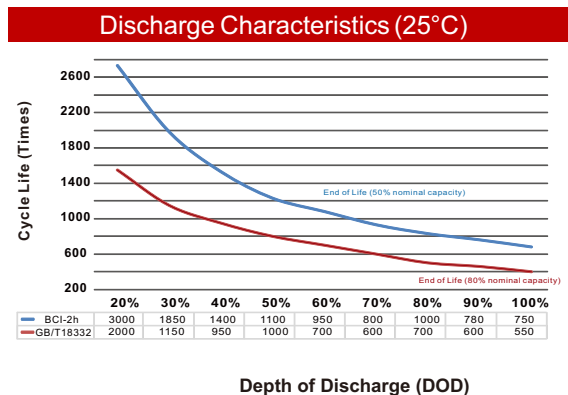
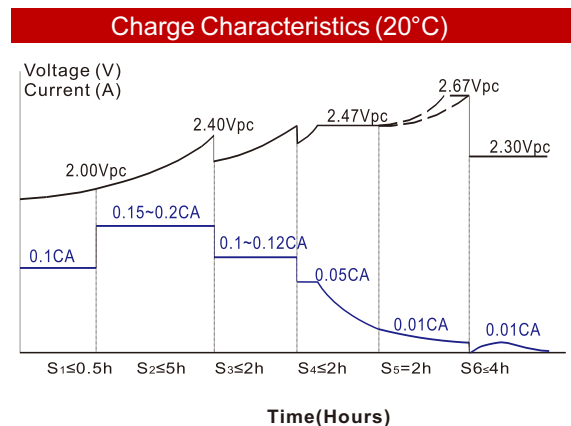
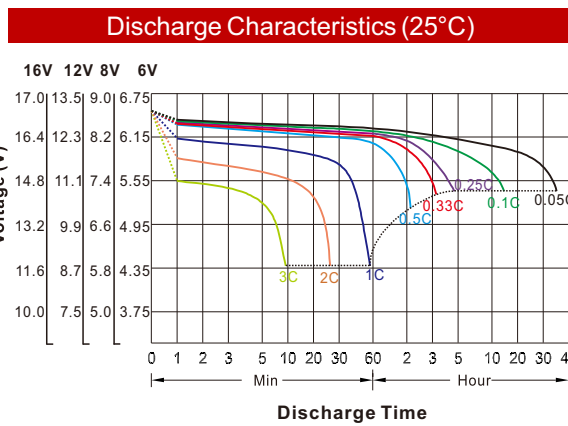
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Charge Performance

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	778.8	531.0	452.2	371.7	273.3	195.1	154.6	92.4	63.3	48.3	39.4	33.28	26.02	22.87	12.09
1.80V/cell	841.1	553.7	463.5	380.9	282.3	200.1	159.1	94.5	64.9	49.4	40.3	34.10	26.76	23.60	12.26
1.75V/cell	889.2	579.1	475.8	390.1	290.8	208.3	165.2	97.1	66.6	50.8	41.7	35.32	27.55	24.10	12.44
1.70V/cell	914.7	593.3	491.8	400.0	297.8	213.7	170.6	99.5	68.1	52.3	42.9	36.27	28.53	24.60	12.63
1.65V/cell	931.7	611.7	503.2	409.9	304.4	220.6	176.8	101.7	69.9	53.6	43.9	37.29	29.21	25.03	12.86
1.60V/cell	955.8	637.2	521.1	423.4	312.5	226.6	180.3	104.8	72.1	55.3	45.1	38.23	29.91	25.61	13.07

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	1450.3	996.7	855.2	711.5	528.4	380.4	302.68	182.2	125.4	95.9	78.5	66.42	52.03	45.81	24.26
1.80V/cell	1545.4	1025.4	867.0	720.7	539.6	387.1	309.81	185.3	128.0	97.8	79.9	67.84	53.33	47.14	24.55
1.75V/cell	1595.3	1053.3	878.0	730.8	551.2	400.2	320.0	189.6	130.9	100.2	82.5	70.01	54.76	48.02	24.85
1.70V/cell	1599.9	1058.9	897.8	741.7	560.3	408.1	329.3	193.5	133.2	102.7	84.5	71.69	56.59	48.98	25.21
1.65V/cell	1605.9	1080.2	908.9	756.2	568.9	419.5	339.8	197.2	136.4	104.9	86.4	73.52	57.80	49.74	25.63
1.60V/cell	1609.9	1096.8	925.7	770.5	579.2	427.1	343.6	201.5	139.8	107.7	88.2	75.14	59.04	50.76	25.99

Performance Curve



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