



NPD12600

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	12V	
Nominal Capacity	60Ah ,C20@1.80Vpc, 25°C(77°F)	
Dimension	Length 229mm(9.02 inch)	
	Width 138.5mm(5.45 inch)	
	Container Height 211mm(8.31 inch)	
	Total Height (With Terminal) 216mm(8.50 inch)	
Rated Capacity (25°C/77°F)	60Ah/(20Hr, 1.80V/cell)	
	57Ah/ (10Hr, 1.80V/cell)	
	54Ah/(5Hr, 1.75V/cell)	
	50Ah/(3Hr, 1.75V/cell)	
Weight	16.5Kg ±5% (36.48lbs)	
	Terminal	Female Copper Insert I2
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)

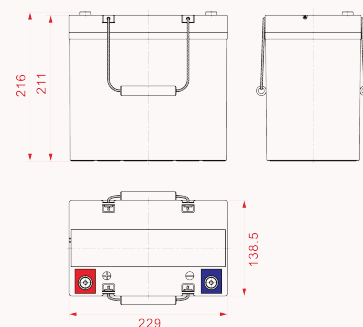
Terminal

Unit:mm



Dimension

Unit:mm



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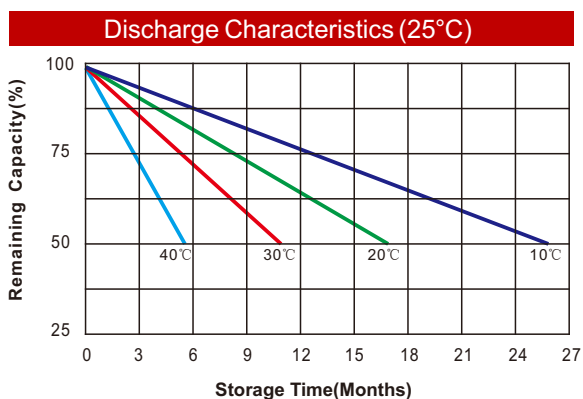
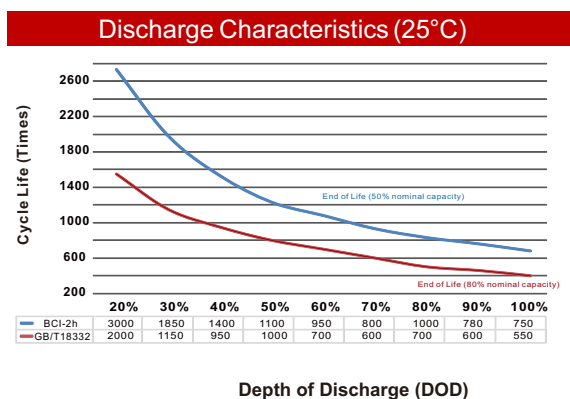
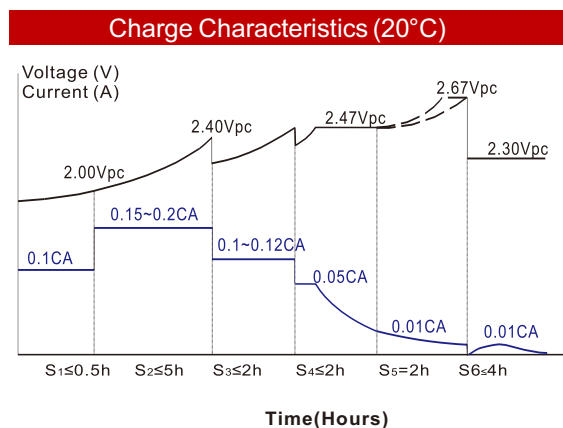
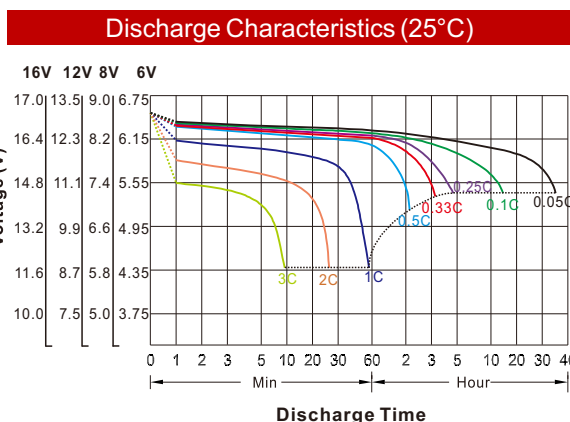
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Charge Performance

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	193.1	131.6	112.1	92.1	67.7	48.4	38.3	22.9	15.7	12.0	9.8	8.25	6.45	5.57	3.00
1.80V/cell	208.5	137.2	114.9	94.4	70.0	49.6	39.4	23.4	16.1	12.2	10.0	8.45	6.63	5.74	3.02
1.75V/cell	220.4	143.6	117.9	96.7	72.1	51.6	41.0	24.1	16.6	12.6	10.4	8.76	6.83	5.87	3.08
1.70V/cell	226.7	147.1	121.9	99.2	73.8	53.0	42.3	24.7	16.9	13.0	10.6	8.99	7.07	6.08	3.13
1.65V/cell	231.0	151.6	124.7	101.6	75.5	54.7	43.8	25.2	17.3	13.3	10.9	9.24	7.24	6.15	3.19
1.60V/cell	236.9	158.0	129.2	104.9	77.5	56.2	44.7	26.0	17.9	13.7	11.2	9.48	7.41	6.28	3.24

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	359.5	247.1	212.0	176.4	131.0	94.3	75.00	45.2	31.1	23.8	19.5	16.46	12.90	11.36	6.01
1.80V/cell	383.1	254.2	214.9	178.7	133.8	95.9	76.80	45.9	31.7	24.2	19.8	16.82	13.22	11.68	6.08
1.75V/cell	395.4	261.1	217.7	181.2	136.6	99.2	79.3	47.0	32.4	24.8	20.5	17.35	13.57	11.90	6.16
1.70V/cell	396.6	262.5	222.5	183.8	138.9	101.2	81.6	48.0	33.0	25.5	21.0	17.77	14.03	12.14	6.25
1.65V/cell	398.1	267.8	225.3	187.5	141.0	104.0	84.2	48.9	33.8	26.0	21.4	18.23	14.33	12.33	6.35
1.60V/cell	399.1	271.9	229.5	191.0	143.6	105.9	85.2	50.0	34.6	26.7	21.9	18.63	14.64	12.58	6.44

Performance Curve



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