



BB305 - AGM

Specification

Nominal Voltage	6V	
Nominal Capacity(20HR)	350.0AH	
Dimension	Length	295±2mm (11.62 inches)
	Width	180±2mm (7.05 inches)
	Container Height	346±2mm (13.62 inches)
	Total Height (with Terminal)	365±2mm (14.30 inches)
	Approx Weight	Approx 47.0 kg (219.0lbs)
Terminal	T5 / DT	
Container Material	ABS	
Rated Capacity	360.0AH/3.6A	(100hr, 1.60V/cell, 25°C/77°F)
	350.0 AH/17.50A	(20hr, 1.80V/cell, 25°C/77°F)
	310.0AH/31.00A	(10hr, 1.80V/cell, 25°C/77°F)
	250.0 AH/50A	(5hr, 1.75V/cell, 25°C/77°F)
	225.0 AH/75.0A	(3hr, 1.75V/cell, 25°C/77°F)
Max. Discharge Current	2800A (5s)	
Internal Resistance	Approx 2.0mΩ	
Operating Temp. Range	Discharge : -20~55°C (-4~131°F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -20~50°C (-4~122°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 82.0A. Voltage	
	7.4V~7.5V at 25°C(77°F)Temp. Coefficient -30mV/C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	NPM series batteries may be stored for up to 10 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

- ◆ Railway and marine systems
- ◆ Electric tools
- ◆ Vehicle in place of walking
- ◆ Lawn mowers
- ◆ Golf trolleys and golf cart
- ◆ Electric toys
- ◆ Portable power
- ◆ Wheelchairs
- ◆ Medical equipments
- ◆ Solar / wind power system



ISO9001 ISO14001

Constant Current Discharge (Amperes) at 25°C (77°F)

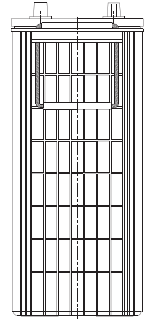
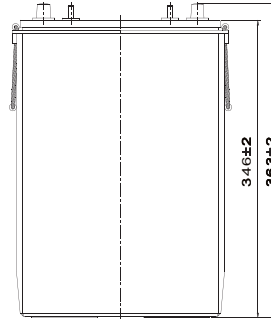
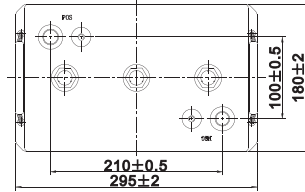
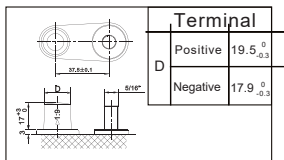
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	360.5	324.5	268.4	212.8	174.7	104.9	81.1	66.6	56.7	49.5	39.9	30.4	17.0
1.80V/cell	409.5	361.2	288.0	223.9	185.5	110.7	85.1	69.6	59.1	51.7	41.4	31.0	17.5
1.75V/cell	449.9	389.3	304.9	235.4	193.6	115.3	88.2	71.9	60.9	53.0	42.2	32.4	18.3
1.70V/cell	/	416.4	320.0	244.3	200.3	118.7	90.5	73.5	62.0	53.9	42.9	33.7	18.7
1.65V/cell	/	436.9	335.6	254.9	207.6	122.2	92.5	75.1	63.3	54.8	43.5	35.2	19.0
1.60V/cell	/	453.1	347.2	261.8	212.5	125.1	94.5	76.1	64.2	55.6	44.1	36.6	19.2

Constant Power Discharge (Watts) at 25°C (77°F)

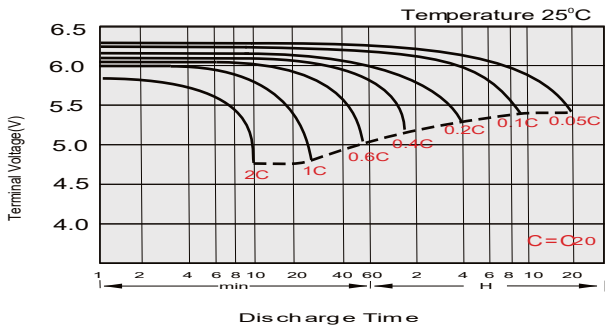
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	682.6	617.1	512.9	409.2	337.8	204.1	158.5	130.6	111.7	97.9	79.2	66.5	35.3
1.80V/cell	765.4	679.8	545.9	427.6	356.8	214.2	165.4	136.0	115.9	101.8	82.0	69.5	36.5
1.75V/cell	829.0	724.4	573.7	447.0	370.6	222.2	171.1	140.1	119.0	103.9	83.3	70.1	36.9
1.70V/cell	/	768.0	596.9	460.6	381.6	227.8	175.0	142.6	120.7	105.6	84.5	70.8	37.2
1.65V/cell	/	797.3	621.5	478.0	393.1	233.7	178.0	145.2	122.9	107.1	85.5	71.6	37.6
1.60V/cell	/	817.5	636.4	486.3	399.6	237.7	180.9	146.5	124.2	108.2	86.5	72.3	38.0

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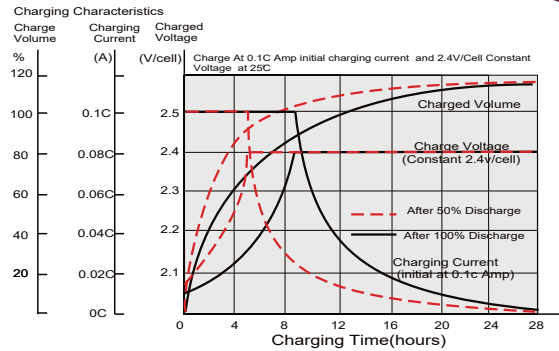
Dimensions



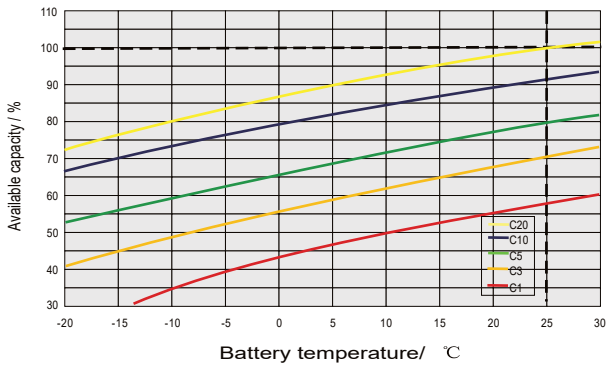
Discharge Characteristics



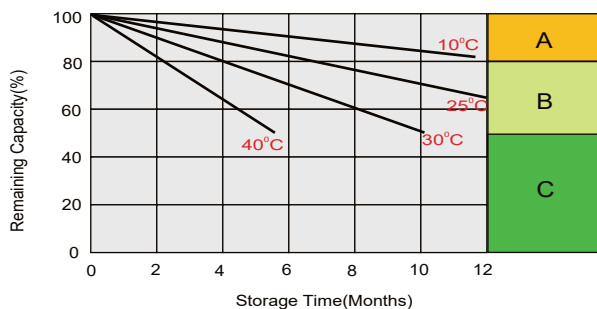
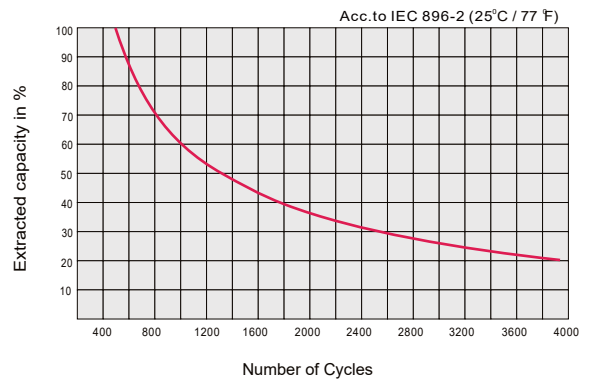
Charging Characteristics (cycle use)



Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

- A** No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant volatge 2.25V/cell.
 2. Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.
 3. Charged for 8~10hours at limited current 0.05CA .
- C** Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

The tech data is for reference and it is subject to change without prior notice.