



Batteries that last and last

Deep Cycle AGM Batteries

C12-100DA (12V100Ah)



Century AGM Deep Cycle Batteries are the ultimate in deep cycle battery performance, designed to provide longer life and dependable deep cycling capability in the harshest of operating conditions and environments.

The Century Deep Cycle AGM range utilises Absorbed Glass Mat (AGM) technology which absorbs the liquid electrolyte within highly porous glass fibre mat separators. This eliminates loose electrolyte whilst the sealed maintenance free design prevents acid leaks and the need for on-going maintenance. Extra strong grid designs, superior active paste material and robust internal components ensure lower self discharge, superior vibration resistance, longer cycle life and improved recharge capabilities.

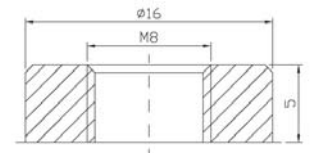
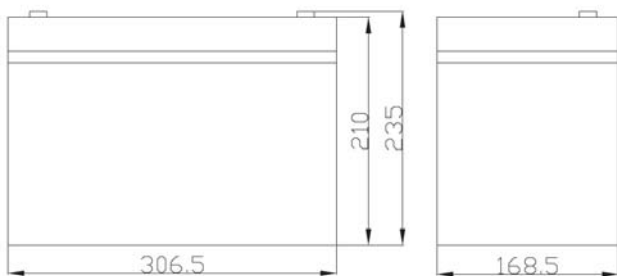
Century Deep Cycle AGM batteries are ideal for use in applications where fast recharge, and superior deep cycle capabilities are required, such as recreational vehicles and accessories, dual battery systems, golf carts, electric wheel chairs, mobility scooters and marine systems.

Product Specification

Cells	6	Weight	Approx. 29.0 kg
Voltage	12	Max. Discharge Current	900 A (5 sec)
Capacity	103Ah@20hr-rate to 1.75V per cell @ 25°C	Internal Resistance	Approx. 4.8mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C	Terminal	M8 Insert
		Container Material	A.B.S. (UL94-HB).
Normal Operating Temperature Range	25°C ± 5°C	Recommended Max. Charging - Current Limit	30A
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C	Equalisation and Cycle Service	14.6 to 14.8VDC/unit Average at 25°C
Self Discharge	Century AGM batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.	Note: Warranty void if mounted under bonnet.	

Dimensions

Unit: mm



Discharge Current VS Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤ 0.2C	0.2C < (A) < 1.0C	(A) ≥ 1.0C

Charge the batteries at least once every six months, if they are stored at 25°C

Charging Method:

Constant Voltage	-0.2Cx2h+2.4~2.45V/Cellx24h, Max. Current 0.3CA
Constant Current	-0.2Cx2h+0.1CAx 12h
Fast	-0.2Cx2h+0.3CAx4.0h

ALL MENTIONED VALUES ARE AVERAGE VALUES.



ISO9001:2000 Certificate

Constant Current Discharge Characteristics: A (25°C)

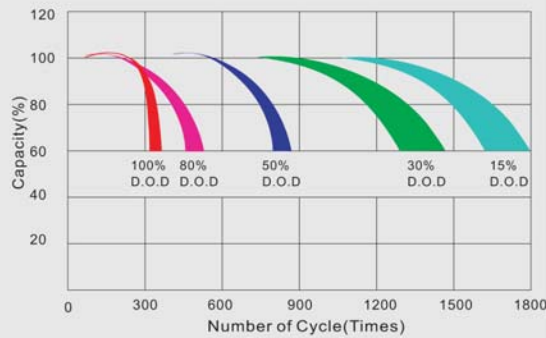
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	344.7	247.0	179.7	110.4	62.40	35.39	25.06	20.74	16.32	11.92	10.08	5.33
10.0V	335.5	235.0	176.0	108.6	62.11	35.12	24.96	20.64	16.22	11.83	9.99	5.24
10.2V	316.1	226.7	173.3	107.6	61.54	34.84	24.77	20.54	16.13	11.73	9.89	5.14
10.5V	283.9	209.2	165.0	104.9	60.96	34.57	24.67	20.35	15.94	11.63	9.79	5.04
10.8V	256.2	190.8	152.1	100.3	59.52	33.93	24.00	19.87	15.65	11.44	9.70	4.94
11.1V	223.0	170.5	136.4	93.98	56.54	33.38	22.94	18.91	14.98	10.96	9.40	4.65

Constant Power Discharge Characteristics: W (25°C)

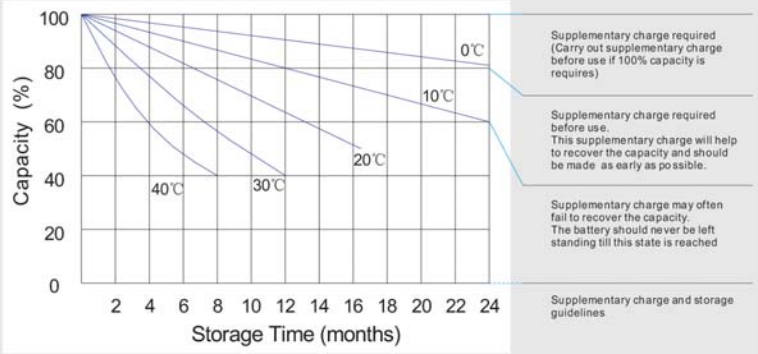
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	3592	2626	1934	1246	713.7	418.6	289.2	239.6	188.9	138.4	113.4	59.89
10.0V	3518	2509	1894	1230	710.2	417.0	288.6	239.0	187.8	137.8	112.2	59.30
10.2V	3321	2425	1868	1216	705.0	413.1	286.8	237.9	187.2	136.6	111.6	58.72
10.5V	2991	2241	1781	1188	698.1	409.3	285.1	236.2	185.5	135.5	110.5	58.14
10.8V	2690	2035	1637	1134	680.8	403.3	278.2	229.8	182.6	132.6	109.3	57.56
11.1V	2322	1807	1461	1063	645.1	384.7	264.4	218.9	173.4	127.9	105.8	55.23

All mentioned values are average values.

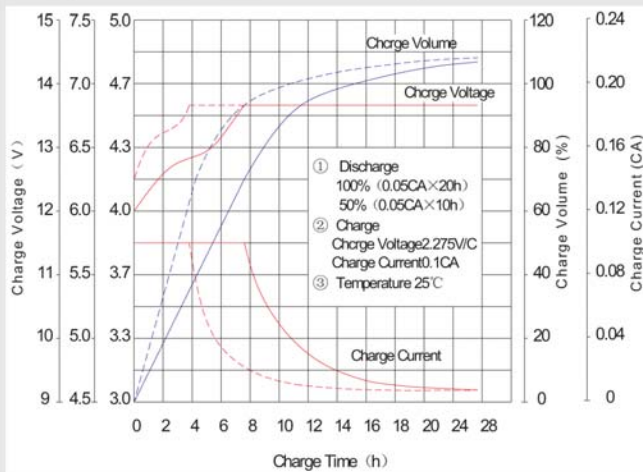
Life characteristics of cyclic use



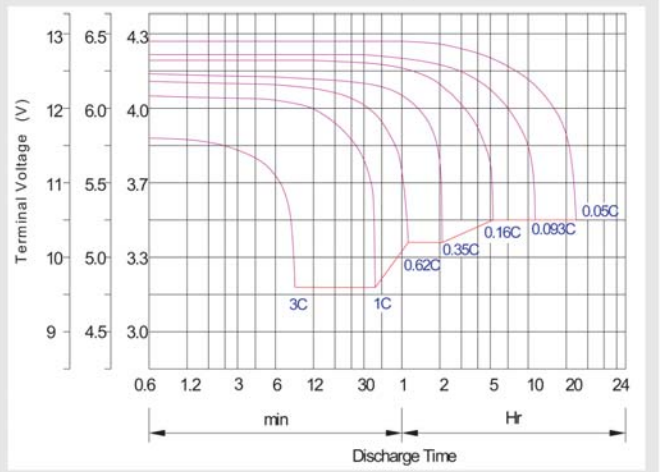
Storage characteristic



Charge characteristic Curve for standby use



Discharge characteristic Curve



Battery Disposal

This battery is 98% recyclable. Help create a cleaner Australia, return your used battery to the original place of purchase or your nearest CenturyYuasa approved Battery Recycling Centre. Visit recycle.mybattery.com.au or call 1300 650 702 to find the nearest centre to you.