Batteries that last and last

Deep Cycle *AGM* Batteries

C12-270XDA (12V / 270Ah)

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. 74.0 kg
Voltage	12	**Max. Discharge Current**	2700 A (5 sec)
Capacity	270Ah@20hr-rate to 1.75V per cell @ 25ºC	**Internal Resistance**	Approx. 3.5mΩ
Operating Temperature Range	Discharge:-20ºC~60ºC Charge: 0ºC~50ºC Storage: -20ºC~60ºC	**Terminal**	M8 Insert
		Container Material	A.B.S. (UL94-HB)
Normal Operating Temperature Range	25ºC ± 5ºC	**Recommended Max. Charging - Current Limit**	78A
Float Charging Voltage	13.6 to 13.8 VDC/unit Average at 25ºC	**Equalisation & Cycle Service**	14.6 to 14.8VDC/unit Average at 25ºC
Self Discharge	Century AGM batteries can be stored for more than 6 months at 25ºC. Self-discharge rate less than 3% per month at 25ºC. Please charge batteries before using.	**Note: Warranty void if mounted under bonnet. The C12-270DA battery cannot be mounted horizontally.**	

Unit: mm Dimension: 520 (L) x 268 (W) x 220 (H) x 225 (TH)

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

Charge the batteries at least once a month every six months, if they are stored at 25ºC	
Charging Method	
Constant Voltage	-0.2Cx2h+2.4~2.45V/Cellx24h,Max.Current 0.3CA

ALL MENTIONED VALUES ARE AVERAGE VALUES.

C12-270XDA (12V / 270Ah)

Constant Current Discharge Characteristics: A (25°C)

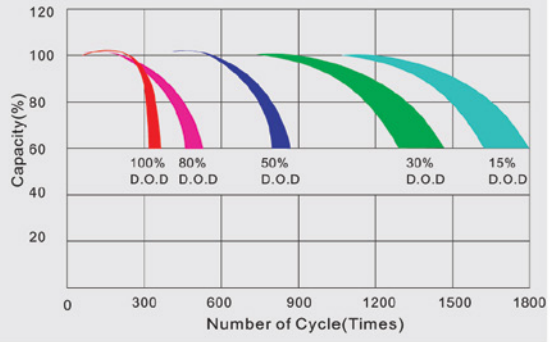
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	896.2	642.2	467.3	287.0	162.2	92.62	65.15	53.91	42.43	31.00	26.22	13.86
10.0V	872.2	611.0	457.7	282.3	161.5	91.92	64.90	53.66	42.18	30.75	25.96	13.61
10.2V	821.9	589.5	450.5	279.8	160.0	91.23	64.40	53.41	41.93	30.50	25.71	13.36
10.5V	738.0	543.9	428.9	272.8	158.5	90.53	64.15	52.92	41.43	30.25	25.46	13.11
10.8V	666.1	496.0	395.4	260.8	154.8	88.91	62.40	51.67	40.68	29.74	25.21	12.86
11.1V	579.9	443.3	354.6	244.4	147.0	84.96	59.65	49.17	38.94	28.48	24.45	12.10

Constant Power Discharge Characteristics: W (25°C)

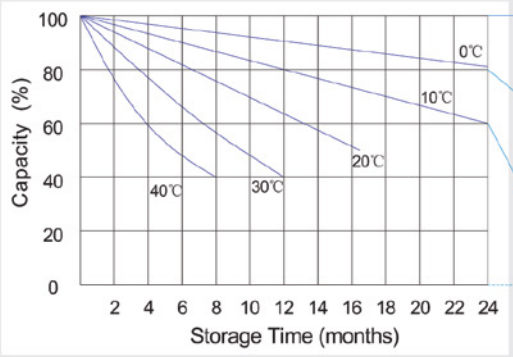
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	8535	6241	4595	3239	1856	1065	751.8	623.0	491.2	359.8	294.8	155.7
10.0V	8361	5961	4500	3199	1847	1061	750.3	621.5	488.2	358.3	291.8	154.2
10.2V	7892	5763	4439	3161	1833	1052	745.8	618.5	486.7	355.2	290.2	152.7
10.5V	7107	5325	4233	3090	1815	1042	741.3	614.0	482.2	352.2	287.2	151.2
10.8V	6393	4835	3889	2949	1770	1026	723.3	597.5	474.7	344.7	284.2	149.7
11.1V	5518	4294	3473	2763	1677	979	687.4	569.1	450.8	332.6	275.1	143.6

All mentioned values are average values.

Life characteristics of cyclic use



Storage characteristic



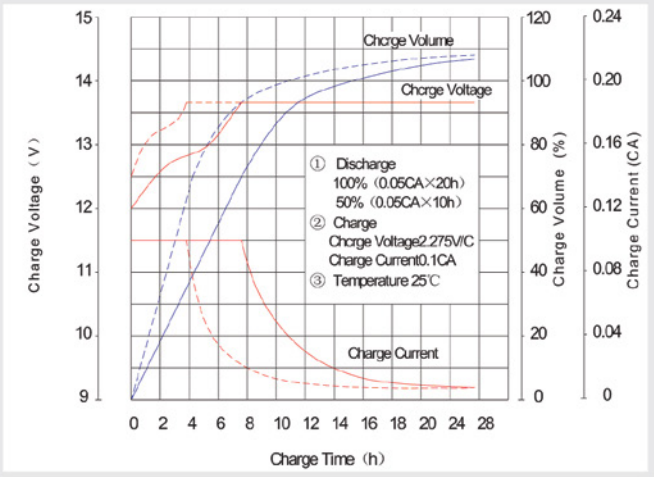
Supplementary charge required (Carry out supplementary charge before use if 100% capacity is requires)

Supplementary charge required before use.
This supplementary charge will help to recover the capacity and should be made as early as possible.

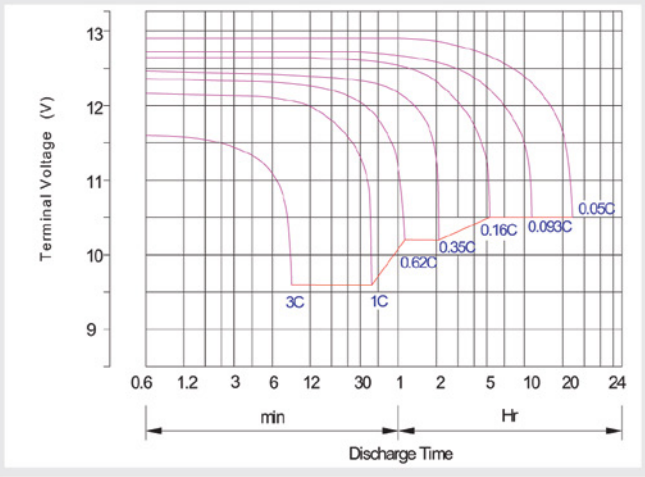
Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this state is reached

Supplementary charge and storage guidelines

Charge characteristic curve for cyclic use



Discharge characteristic Curve



Battery Recycling Centre

Battery Disposal

This battery is 98% recyclable. Help create a cleaner planet, return your used battery to the original place of purchase or your nearest CenturyYuasa approved Battery Recycling Centre.

Century

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For more information visit

centurybatteries.com.au or call 13 22 87

centurybatteries.co.nz or call 0800 93 93 93

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