Batteries that last and last

Deep Cycle *AGM* Batteries

C12-55XDA (12V / 55Ah)

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.

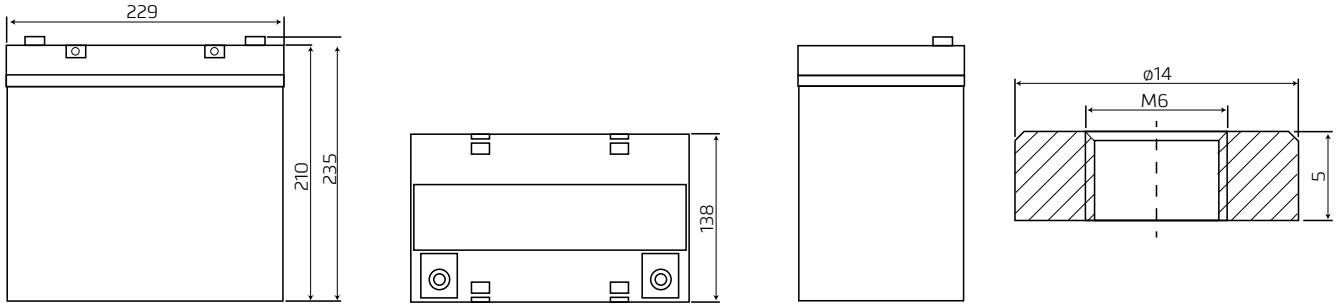
The Century Deep Cycle AGM range utilises Absorbed Glass Mat (AGM) technology which absorbs the liquid electrolyte within highly porous glass fibre mat separators. This eliminates loose electrolyte whilst the sealed maintenance free design prevents acid leaks and the need for on-going maintenance. Extra 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. 18.0 kg
Voltage	12	**Max. Discharge Current**	550 A (5 sec)
Capacity	55Ah@20hr-rate to 1.75V per cell @ 25ºC	**Internal Resistance**	Approx. 6mΩ
Operating Temperature Range	Discharge:-20ºC~60ºC Charge: 0ºC~50ºC Storage: -20ºC~60ºC	**Terminal**	M6 Insert
		Container Material	A.B.S. (UL94-HB)
Normal Operating Temperature Range	25ºC ± 5ºC	**Recommended Max. Charging - Current Limit**	16.5A
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**	

Unit: mm **Dimension:** 229 (L) x 138 (W) x 210 (H) x 235 (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.

C12-55XDA (12V / 55Ah)

Constant Current Discharge Characteristics: A (25°C)

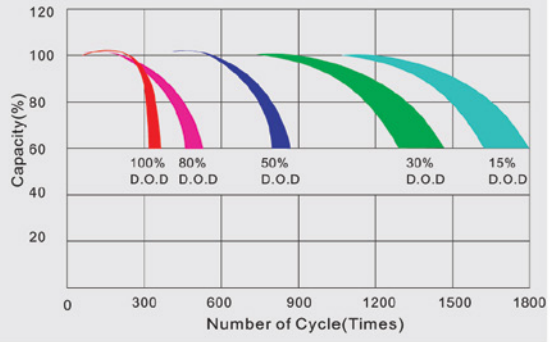
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	189.6	135.8	98.84	60.72	34.32	19.46	13.78	11.40	8.976	6.559	5.546	2.933
10.0V	184.5	129.3	96.81	59.72	34.16	19.31	13.73	11.35	8.923	6.505	5.492	2.879
10.2V	173.9	124.7	95.29	59.19	33.84	19.16	13.62	11.30	8.870	6.452	5.439	2.826
10.5V	156.1	115.1	90.73	57.71	33.53	19.01	13.57	11.19	8.765	6.399	5.386	2.773
10.8V	140.9	104.9	83.64	55.18	32.74	18.66	13.20	10.93	8.606	6.292	5.332	2.719
11.1V	122.7	93.8	75.02	51.69	31.10	18.36	12.62	10.40	8.237	6.025	5.172	2.559

Constant Power Discharge Characteristics: W (25°C)

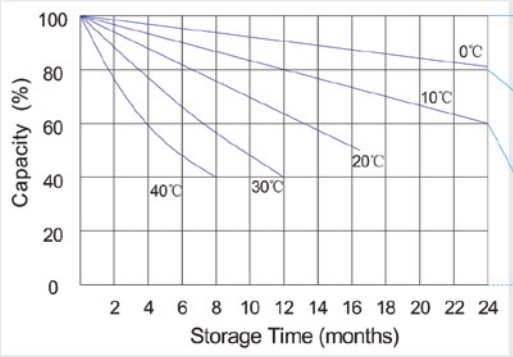
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	1975	1445	1064	685.2	392.5	230.2	159.0	131.8	103.9	76.11	62.36	32.94
10.0V	1935	1380	1041	676.7	390.6	229.3	158.7	131.5	103.3	75.79	61.72	32.62
10.2V	1827	1334	1027	668.8	387.8	227.2	157.8	130.8	103.0	75.15	61.40	32.30
10.5V	1645	1232	979.6	653.6	384.0	225.1	156.8	129.9	102.0	74.51	60.76	31.98
10.8V	1480	1119	900.1	623.8	374.5	221.8	153.0	126.4	100.4	72.91	60.12	31.66
11.1V	1277	993.8	803.7	584.5	354.8	211.6	145.4	120.4	95.36	70.35	58.20	30.38

All mentioned values are average values.

Life characteristics of cyclic use



Storage characteristic



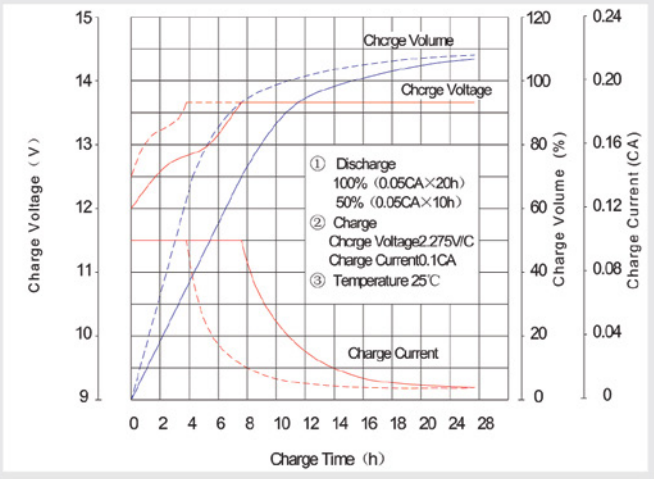
Supplementary charge required (Carry out supplementary charge before use if 100% capacity is requires)

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

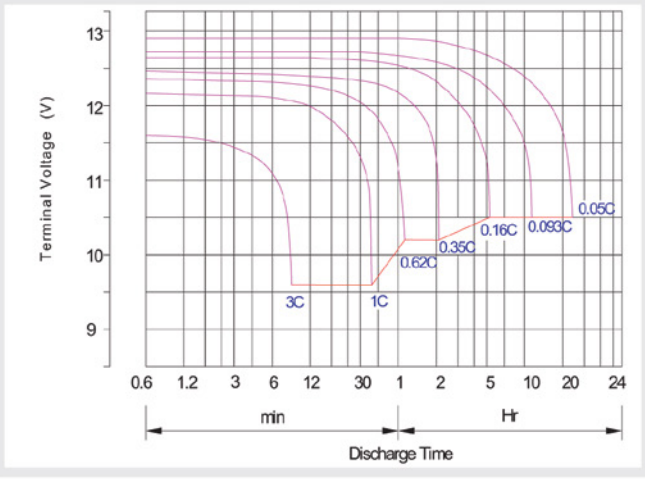
Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this state is reached

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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CB109-2256b