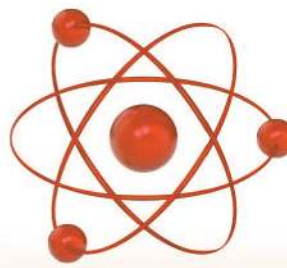


FUSION

AGM BATTERIES



CBC Series



Cyclic - Deep Cycle - Starting - Stand By

- **High Performance Genuine AGM Battery** - Non-spillable Dry Cell
- **Longer Service Life** - Up to 30% more cycle life than other leading brands
- **State-Of-The-Art Thermal Management System** - Keeps battery cool during charging & general use making it better suited to hotter climates (like Australia's top end) and under bonnet use
- **Extreme Vibration Resistant**
- **Special Cycle Alloy** - Extends the life of the battery, reduces self discharging and improves true deep discharge performance
- **Absorbed Glass Matt Separators (AGM)**
- **Extra Thick Plates** - For increased capacity
- **Superior Design & Quality** - Manufactured to Quality Assurance Standard ISO 9001
- **Manufactured to comply with AS 4029.2-2000** - Extended 3 Years Warranty when used in Back-Up Power, Stand-By or UPS Systems
- **ActiveFire® Certified** - Independently tested by the CSIRO
- **Rated for Under Bonnet Use** - Warranty covers under bonnet use
- **Flame Retardant ABS Plastic** - Making it the safest available in Australia
- **When Failure is not an Option** - Use only Fusion AGM Batteries

QUALITY ASSURANCE
ISO 9001

Fusion AGM Batteries
Head Office
Unit 30 / 76 Hume Highway
LANSDALE NSW 2166
Tel: (02) 9755 7851 Fax: (02) 9755 7852
www.fusionagmbatteries.com.au





Fusion CBC Series batteries are a genuine AGM VRLA (Valve Regulated Lead Acid) battery that is completely sealed, spill proof, leak proof and can be used upside down or on their side. The CBC Series is designed for cyclic (deep cycle), starting and standby applications and can be used in confined or poorly ventilated spaces.

We use advanced engineering techniques to ensure that Fusion CBC Series batteries remain one of the highest quality batteries available in Australia's with up to 30% more cycle life than other leading brands. Some of this technology includes using a special alloy that significantly increases cycle life and allows the battery to be deeply discharged not to mention the state-of-the-art Thermal Management System that keeps the battery cool especially during charging thus increasing the life of the battery and making it better suited to hotter climates like in Australia's top end.

We also use unique fluid displacement technology to stop separation of fluid from the plates which is caused by vibration and prevents overheating of the battery. This increases the cycle & service life of the battery even further and makes them extremely resistant to vibration.

Fusion CBC Series batteries are manufactured to Quality Assurance Standard ISO 9001, comply with Australian Standard AS4029.2-2000 and are ActiveFire® Certified. The battery is also made using Flame Retardant ABS Plastic, making it the safest battery available in Australia.

Unlike most other AGM brands, Fusion CBC Series are suitable for under bonnet use meaning that they can also be used in cars, 4WD's, motor homes, buses and commercial equipment. They are also the perfect choice for dual battery systems, caravans, boats and even camping. The fine print of almost all other AGM brands exclude under bonnet use. Whether you use Fusion CBC Series batteries as a starting battery, deep-cycle battery, marine battery, back-up power supply battery or a combination of any of the above, our warranty is unconditional of use.

We also provide extended 3 years warranty for when used in back-up power, stand-by or UPS systems.

When failure is not an option, insist on Fusion AGM Batteries

Specifications

MODEL	VOLTS	CCA	RATED CAPACITY (AH)					DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	TERMINAL TYPE
			20HR	10HR	5HR	3HR	1HR	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)			
CBC6V6AH	6	120	6.00	5.60	4.91	4.45	3.62	70	47	100	106		0.9	T1
CBC6V14AH	6	200	14.0	13.0	11.4	10.3	8.40	151	51	94	100		2.1	T2
CBC6V200AH	6	700	208.0	200.0	172.0	156.0	122.0	306	168	222	228		29.0	T8
CBC12V5.6AH	12	80	6.00	5.60	4.91	4.45	3.62	90	70	101	107		1.8	T2
CBC12V8.0AH	12	120	8.58	8.00	7.02	6.36	5.17	151	65	95	100		2.5	T2
CBC12V10AH	12	220	10.0	9.30	8.10	7.65	6.28	151	65	111	117		3.3	T1
CBC12V14AH	12	240	14.0	13.0	11.9	10.7	8.79	151	98	95	101		4.0	T2
CBC12V22AH	12	280	22.0	21.0	18.5	16.9	13.9	182	77	168	168		6.0	T12
CBC12V26H	12	300	27.8	26.0	22.8	20.7	16.8	165	125	175	182		8.7	T12
CBC12V26AH	12	290	27.8	26.0	22.8	20.7	16.8	167	175	125	126		8.5	T3
CBC12V33AH	12	440	35.4	33.0	28.9	26.2	21.3	195	130	164	180		11.2	T5
CBC12V40AH	12	480	42.0	38.0	33.3	30.2	24.5	197	165	170	170		14.5	T6
CBC12V50AH	12	520	52.0	46.4	40.8	37.2	29.7	197	165	170	170		15.5	T6
CBC12V55AH	12	540	59.0	55.0	48.2	43.7	35.5	228	138	208	228		17.0	T9
CBC12V75AH	12	580	80.4	75.0	65.8	59.6	48.5	260	168	208	228		21.0	T6
CBC12V100AH	12	860	107.2	100.0	87.7	79.5	64.6	330	173	212	220		30.0	T11
CBC12V105AH	12	750	104.0	101.0	89.0	77.2	64.8	305	168	207	229		27.4	T14
CBC12V120AHS	12	900	124.0	112.4	98.6	89.8	72.9	330	173	212	220		31.4	T11
CBC12V120AH	12	920	128.6	120.0	105.2	95.4	77.5	410	177	225	225		35.0	T11
CBC12V140AH	12	950	145.0	135.0	116.0	105.3	82.4	344	171	274	280		45.5	T11
CBC12V150AH	12	1,040	160.8	150.0	131.6	119.3	96.9	485	170	242	242		42.5	T11
CBC12V200AH	12	1,240	214.4	200.0	175.4	159.0	129.2	522	240	218	224		62.5	T11
CBC12V250AH	12	1,600	260.0	250.0	215.4	195.2	152.5	522	268	220	226		73.0	T11

Typical Applications

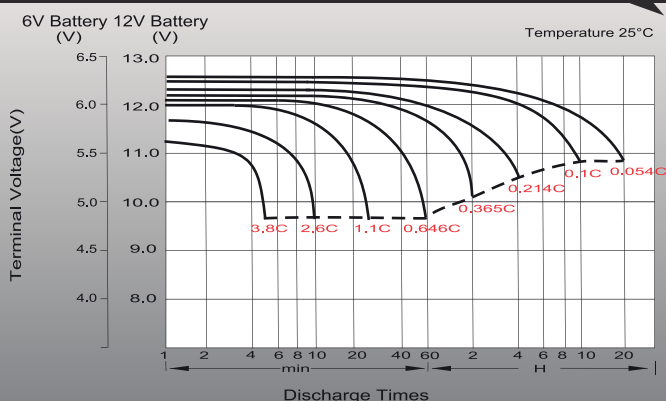
- Emergency Lighting Systems
- Fire & Security Systems
- Cars & other Starting Applications
- Marine Equipment
- Caravans, Campervans & Motorhomes
- Medical Equipment
- Power Tools
- Telecommunication Systems
- Television & Video Recorders
- Toys
- Uninterruptible Power Supply (UPS)

- Vending Machines
- Golf Trolleys and Golf Cart
- Portable Power
- Wheelchairs
- Electric Power System (EPS)
- Emergency Backup Power Supply
- Railway Signal
- Aircraft Signal
- Electronic Apparatus and Equipment
- Communication Power Supply
- DC Power Supply

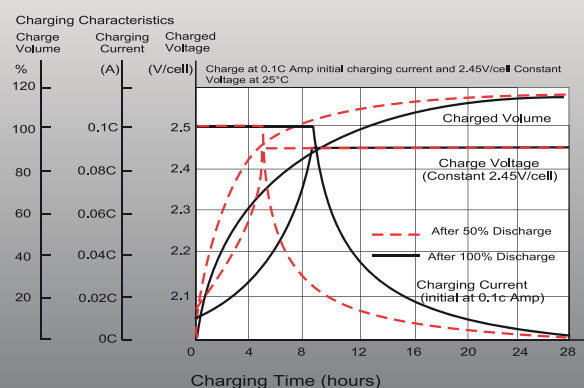
- Auto Control Systems
- Solar Power Stations
- Pump Systems
- Measurement Stations
- Boats or Buoys
- Signal Stations
- Survey and Mapping Systems
- Traffic Lights
- Street Lighting
- Street Signs
- SOS Pillars

Technical Diagrams

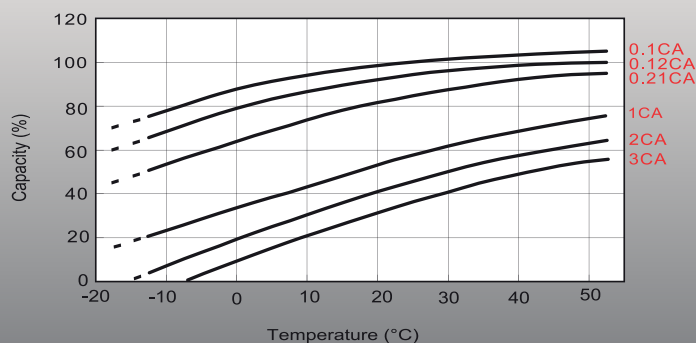
Discharge Characteristics



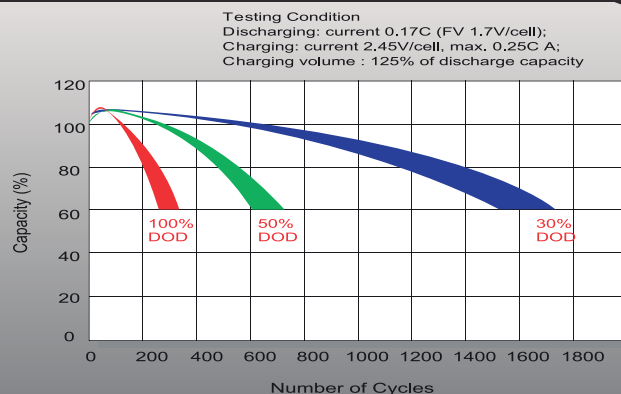
Charging Characteristics (cycle use)



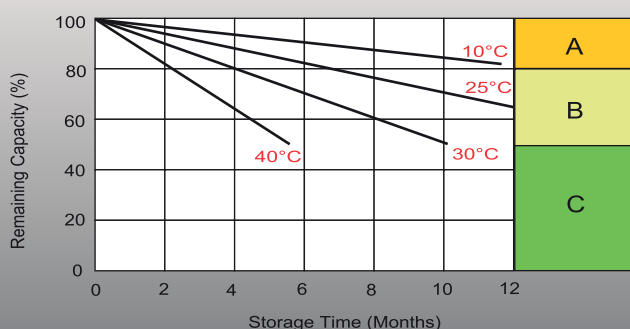
Temperature Effects in Relation to Battery Capacity



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).

Supplementary charge required before use. Optional charging way as below:

- B**
1. Charged for above 3 days at limited current 0.25C A and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25C A and constant voltage 2.45V/cell.
 3. Charged for 8~10 hours at limited current 0.05C A.

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

3 YEAR WARRANTY
When used in Back-Up Power,
Stand-By or UPS Systems

✓ Also Rated for
UNDER BONNET USE

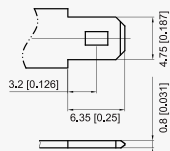
Made with 
FIRE RETARDANT ABS PLASTIC

Fusion AGM Batteries Terminal Options

T1 Terminal

Unit: mm [inches]

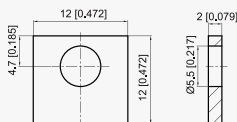
FASTON TYPE (Copper) quick disconnect tabs:
Silver coating for better conductivity



T3 Terminal

Unit: mm [inches]

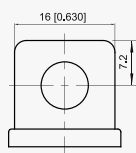
Brass Coated with Tin
Terminal Torque 3,9 - 5,4 N m



T5 Terminal

Unit: mm [inches]

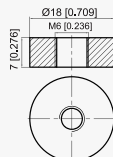
Lead
Terminal Torque 3,9 - 5,4 N m



T7 Terminal

Unit: mm [inches]

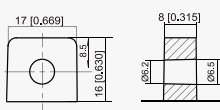
Brass Coated with Tin, Threaded Insert 6mm STUD
Terminal Torque 3,9 - 5,4 N m



T10 Terminal

Unit: mm [inches]

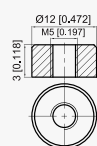
Lead
Terminal Torque 3,9 - 5,4 N m



T12 Terminal

Unit: mm [inches]

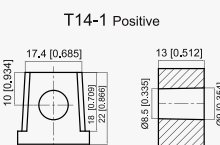
Brass Coated with Tin, Threaded Insert 5mm STUD
Terminal Torque 2,0 - 3,0 N m



T14 Terminal

Unit: mm [inches]

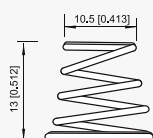
Lead
Terminal Torque 11 - 14,7 N m



Spring Terminal

Unit: mm [inches]

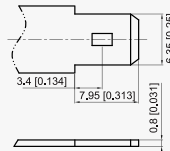
Spring Steel
Fully Collapsible



T2 Terminal

Unit: mm [inches]

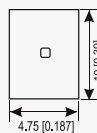
FASTON TYPE (Copper) quick disconnect tabs:
Silver coating for better conductivity



T4 Terminal

Unit: mm [inches]

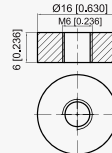
Brass Coated with Tin
Terminal Torque 3,9 - 5,4 N m



T6 Terminal

Unit: mm [inches]

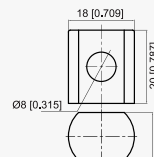
Brass Coated with Tin, Threaded Insert 6mm STUD
Terminal Torque 3,9 - 5,4 N m



T9 Terminal

Unit: mm [inches]

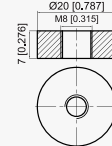
Lead
Terminal Torque 11 - 14,7 N m



T11 Terminal

Unit: mm [inches]

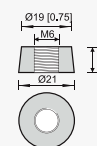
Brass Coated with Tin, Threaded Insert 8mm STUD
Terminal Torque 11 - 14,7 N m



T13 Terminal

Unit: mm [inches]

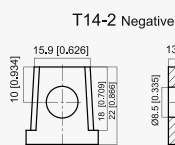
Brass Coated with Tin, Threaded Insert 6mm STUD
Terminal Torque 3,9 - 5,4 N m



T14 Terminal

Unit: mm [inches]

Lead
Terminal Torque 11 - 14,7 N m



Connector

Unit: mm [inches]

Toy Battery Connector
H-Connector

