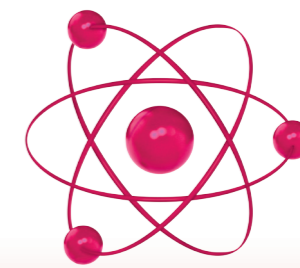


Fusion Gel Batteries Terminal Options

FUSION GEL BATTERIES



<p>T1 Terminal Unit: mm [inches]</p>	<p>FASTON TYPE (Copper) quick disconnect tabs: Silver coating for better conductivity</p>
<p>T3 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin Terminal Torque 3.9 - 5.4 N m</p>
<p>T5 Terminal Unit: mm [inches]</p>	<p>Lead Terminal Torque 3.9 - 5.4 N m</p>
<p>T7 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin, Threaded Insert 6mm STUD Terminal Torque 3.9 - 5.4 N m</p>
<p>T10 Terminal Unit: mm [inches]</p>	<p>Lead Terminal Torque 3.9 - 5.4 N m</p>
<p>T12 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin, Threaded Insert 5mm STUD Terminal Torque 2.0 - 3.0 N m</p>
<p>T14 Terminal Unit: mm [inches]</p>	<p>Lead Terminal Torque 11 - 14.7 N m</p>
<p>Spring Terminal Unit: mm [inches]</p>	<p>Spring Steel Fully Collapsible</p>

<p>T2 Terminal Unit: mm [inches]</p>	<p>FASTON TYPE (Copper) quick disconnect tabs: Silver coating for better conductivity</p>
<p>T4 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin Terminal Torque 3.9 - 5.4 N m</p>
<p>T6 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin, Threaded Insert 6mm STUD Terminal Torque 3.9 - 5.4 N m</p>
<p>T9 Terminal Unit: mm [inches]</p>	<p>Lead Terminal Torque 11 - 14.7 N m</p>
<p>T11 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin, Threaded Insert 8mm STUD Terminal Torque 11 - 14.7 N m</p>
<p>T13 Terminal Unit: mm [inches]</p>	<p>Brass Coated with Tin, Threaded Insert 6mm STUD Terminal Torque 3.9 - 5.4 N m</p>
<p>T14 Terminal Unit: mm [inches]</p>	<p>Lead Terminal Torque 11 - 14.7 N m</p>
<p>Connector Unit: mm [inches]</p>	<p>Toy Battery Connector H-Connector</p>

CBG Series



Cyclic - Deep Cycle - Deep Discharge - Stand By

- High Performance VRLA Gel Battery - Non-spillable
- Engineered with True Gel Technology
- Longer Service Life - 2,400 cycles at 30% depth of discharge
- Best suited for Regular Deep Cycle Discharge Applications - (ie 80% DOD)
- Can Deliver up to Three Times the Cycle Life of AGM Types - When used in the correct application such as mobility scooters
- Special Microporous Gel Separators - To boost battery performance
- Extreme Vibration Resistant
- Special Cycle Alloy - Extends the life of the battery, reduces self discharging and improves true deep discharge performance
- Performs Better than AGM Types for Deep Discharge Applications
- High Thermal Capacity - Reducing the risk of thermal drying
- Superior Design & Quality - Manufactured to Quality Assurance Standard ISO 9001
- When Failure is not an Option - Use only Fusion Gel Batteries

Fusion AGM Batteries
Head Office

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LANNSVALE NSW 2166

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www.fusionagmbatteries.com.au



Fusion CBG Series batteries are a Gel VRLA (Valve Regulated Lead Acid) battery that is completely sealed, spill proof, leak proof and can be used upside down or on their side. They are manufactured using true Gel Technology and are engineered for frequent cyclic discharge applications under extreme conditions.

Fusion Gel Batteries can deliver 2,400 cycles at 30% DOD and are also suitable for standby applications. They can be used in confined or poorly ventilated spaces and are safe for air travel. The gelled electrolyte makes the battery extremely resistant to vibration and also protects the plates when subjected to repetitive discharge/charge.

We use advanced engineering techniques to ensure that Fusion Gel Batteries remain one of the highest quality gel batteries available in Australia with up to 30% more cycle life than other leading brands. Some of this technology includes using a special lead-calcium plate to boost the grid's anti-corrosive performance and extend the life of the battery in addition to special microporous gel separators that enhance the batteries performance. The battery also has high thermal resistance and features only the very best safety release valves that almost eliminate water loss completely.

Fusion Gel Batteries are manufactured to Quality Assurance Standard ISO 9001 and come with 12 Months Full Replacement Warranty.

When failure is not an option, insist on Fusion Gel Batteries.

Specifications

MODEL	VOLTS	RATED CAPACITY (AH)					DIMENSIONS				ASSEMBLY FIGURE	WEIGHT (KG)	TERMINAL TYPE
		20HR	10HR	5HR	3HR	1HR	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TERMINAL HEIGHT (mm)			
CBG6V200AH	6	200.00	185.00	160.00	139.20	110.00	322	178	228	234	[+ -]	31.5	T11
CBG12V18AH	12	18.00	15.50	13.60	11.80	9.35	182	77	168	168	[- +]	5.8	T12
CBG12V26AH	12	26.0	24.2	20.8	18.1	14.30	175	167	125	125	[- +]	8.7	T12
CBG12V31AH	12	30.0	27.0	24.0	20.1	17.1	195	130	164	180	[+ -]	10.7	T5
CBG12V38AH	12	38.00	35.30	30.40	26.50	20.90	197	165	170	170	[- +]	13.5	T6
CBG12V50AH	12	50.0	46.50	40.00	34.80	27.50	229	138	205	211	[+ -]	16.6	T6
CBG12V65AH	12	65.0	60.5	52.0	45.3	35.80	325	167	178	178	[+ -]	24.0	T6
CBG12V70AH	12	70.0	65.1	56.0	48.6	38.5	259	168	208	214	[+ -]	23.0	T6
CBG12V85AH	12	85.0	78.0	68.0	59.1	46.8	305	168	207	213	[+ -]	27.1	T6
CBG12V100AH	12	96.0	90.0	80.0	69.6	55.0	330	173	212	220	[+ -]	31.0	T11
CBG12V110AH	12	110.0	102.3	88.0	76.5	60.5	410	177	225	225	[+ -]	36.0	T11
CBG12V125AH	12	130.0	120.0	104.0	90.6	71.5	344	171	274	280	[+ -]	47.0	T11
CBG12V140AH	12	135.0	125.0	108.0	97.8	74.3	485	170	240	240	[+ -]	44.2	T11
CBG12V200AH	12	200.0	186.0	160.0	139.2	110.0	522	240	218	224	[- +]	62.9	T11
CBG12V240AH	12	240.0	219.0	192.0	167.1	132.0	522	268	220	226	[- +]	77.7	T11

Choosing Gel or AGM Batteries

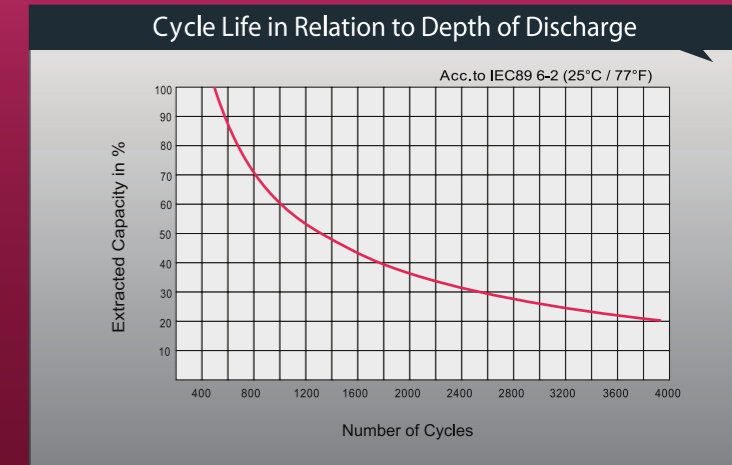
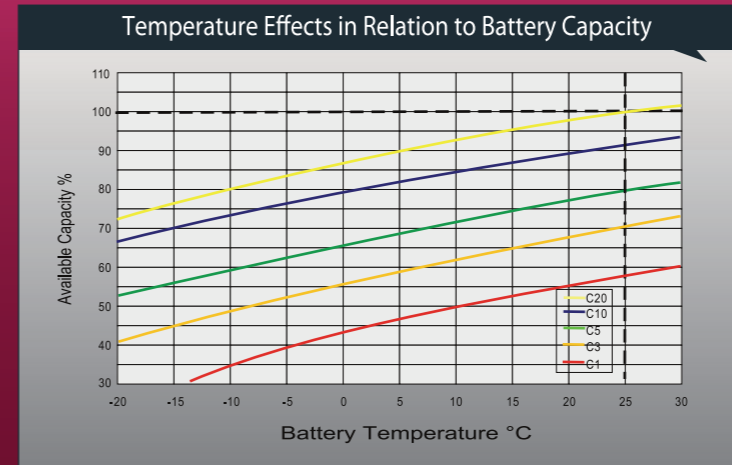
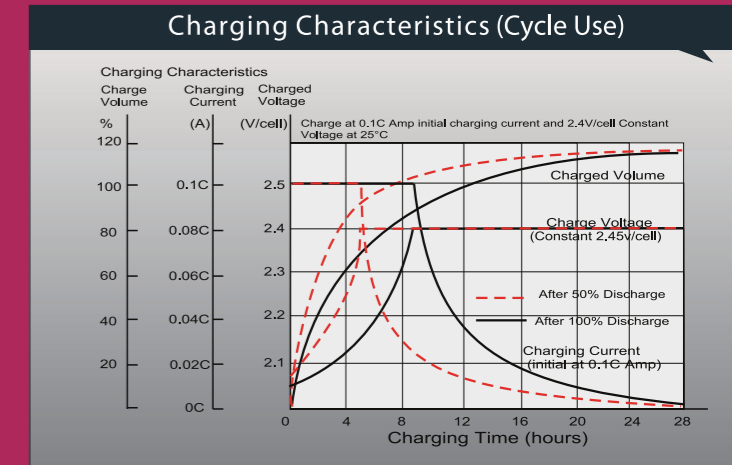
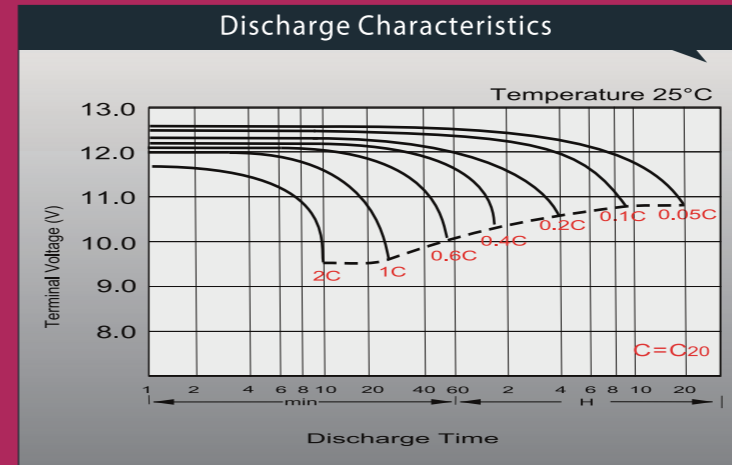
In order to choose the right battery for your application it is important to understand the main differences between Gel & AGM battery types. A Gel battery is better suited for regular deep discharge applications (ie 80% DOD), However, due to the physical properties of the gelled electrolyte, Gel batteries are not suitable for colder climates or shallow discharge (ie 20% DOD) and/or starting applications. AGM batteries excel for high current, high power applications and in extremely cold environments.

AGM batteries deliver a better dual purpose solution for a combination of starting and accessory power and can also be used as a dedicated starting battery. AGM batteries are designed to have over twice the cycle life of conventional batteries while the Gel type can deliver up to two or three times the cycle life of an AGM battery if used in the correct application like mobility scooters.

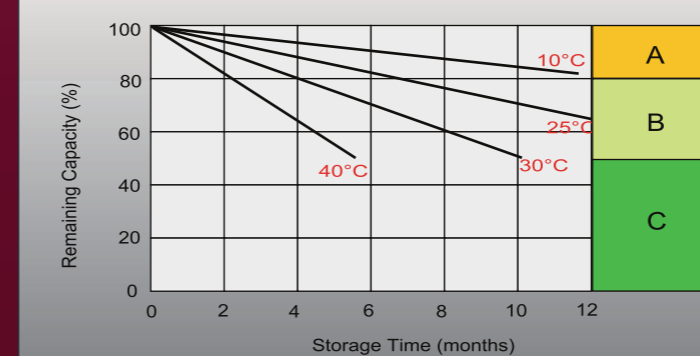
Typical Applications

- Mobility Scooters
- Wheelchairs
- Golf Trolleys and Golf Cart
- Toys
- Power Tools
- Pump Systems
- Emergency Lighting Systems
- Fire & Security Systems
- Cars & other Starting Applications
- Marine Equipment
- Caravans, Campervans & Motorhomes
- Portable Power
- Medical Equipment
- Vending Machines
- Telecommunication Systems
- Uninterruptible Power Supply (UPS)
- 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
- Television & Video Recorders
- Measurement Stations
- Boats or Buoys
- Signal Stations
- Survey and Mapping Systems
- Traffic Lights
- Street Lighting
- Street Signs

Technical Diagrams



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 voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8~10 hours 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.