

Group 31 Heavy Duty Batteries

GOLD **SILVER**

ACDelco offers a full line of Heavy-Duty batteries engineered to meet the demands of tough applications with rigorous quality controls to help ensure long life and reliable performance. ACDelco Group 31 batteries are available in both Maintenance-Free Flooded and AGM (Absorbent Glass Mat) technologies, as well as in starting, cycling, and combination formations to offer solutions for diverse application needs. They are all backed by a strong replacement limited warranty*.

Solid Construction

All ACDelco Group 31 Flooded batteries include epoxy top-bonding helping to improve life in high vibration environments. These batteries are 100% electrical short and pressure tested and feature corrosion resistant stamped positive grid to help minimize premature battery failure.

ACDelco Group 31 AGM batteries are engineered to be fast charging and capable of deeper and more cycling than flooded batteries. Because the grids and glass mats are compressed the design is also inherently more vibration resistant, a key to long life in tough heavy-duty applications. AGM batteries are DOT certified non-spillable due to the electrolyte being completely absorbed in the glass mat separators which also significantly reduces acid stratification enabling reliable cycling over long life.



Example Application Battery Type	Traditional ICE Starting	Start/Stop ICE Starting / Hybrid	Electric Vehicle 12v Auxiliary	APU, Power Gate, Refrigeration, Hoteling
Flooded Starting	Good	NOT suggested	NOT suggested	NOT suggested
Flooded Deep Cycle	NOT suggested	NOT suggested	NOT suggested	Good
AGM Starting	Better	Better	Good	Good
AGM Deep Cycle	NOT suggested	NOT suggested	Good	Better
Pure Lead AGM (XAGM)	Best	Best	Best	Better

Tools in the Toolbox

One of the primary reasons batteries fail ahead of expected life is selecting the wrong battery for the job. The ACDelco Group 31 Portfolio covers a wide breadth of battery types and specification ranges to enable selecting the best tool for each application type. From pure starting to pure cycling, and from lower cost maintenance free flooded to longer lasting AGM or even premium pure lead XAGM for the longest life in the toughest applications.

*Replacement limited warranty to the original retail purchaser. See acdelcocanada.com for details.

07-SS-1108-23E_CA23-A-EN

Group 31 Heavy Duty Portfolio

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Heavy Duty AGM												
Category		ACDelco Number	BCI Terminal	Positive	Warranty* Months	CCA	RC	Ah ₂₀	Weight	Dimensions LWH		
Premium Pure Lead	Gold	31XAGMT	T	C/L	48	1150	220	100	78.6 lbs. 35.7 Kg	13"	6.8"	9.4"
		31XAGMA	A							330mm	173mm	240mm
Starting / Cycling	Gold	31AGMT	T	C/L	24	925	200	100	58.3 lbs. 26.4 Kg	13.1"	6.8"	9.1"
		31AGMA	A	C/L						332mm	172mm	231mm
Marine		M31AGM	M	LH								

Heavy Duty Maintenance Free												
Category		ACDelco Number	BCI Terminal	Positive	Warranty* Months	CCA	RC	Ah ₂₀	Weight	Dimensions LWH		
High Reserve	Gold	31C1000HRT	T	C/L	18	1000	200	105	54.0 lbs. 24.5 Kg	13.0"	6.8"	9.5"
		31C1000HRA	A							330mm	172mm	242mm
Starting	Gold	31G950T	T	C/L	18	950	195	105	61.4 lbs. 27.9 Kg	13.0"	6.8"	9.4"
		31G950A	A							330mm	172mm	238mm
Starting	Gold	31G750T	T	C/L	18	750	180	99	58.7 lbs. 26.6 Kg	13.0"	6.8"	9.3"
		31G750A	A							330mm	172mm	238mm
Enhanced Cycling	Gold	31ECL700T	T	C/L	18	700	190	105	61.0 lbs. 27.7 Kg	13.0"	6.8"	9.3"
Starting	Silver	31S660T	T	C/L	18	660	160	88	53.9 lbs. 24.5 Kg	13.0"	6.8"	9.4"
Marine	Gold	M31M1000	M	LH	18	800	180	100	51.1 lbs. 23.2 Kg	13.0"	6.8"	8.6"
Deep Cycle	Gold	31DCM	M	C/L	18	650	200	100	58.2 lbs. 26.4 Kg	13.0"	6.8"	9.4"

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Our Parts Brands



PERFORMANCE

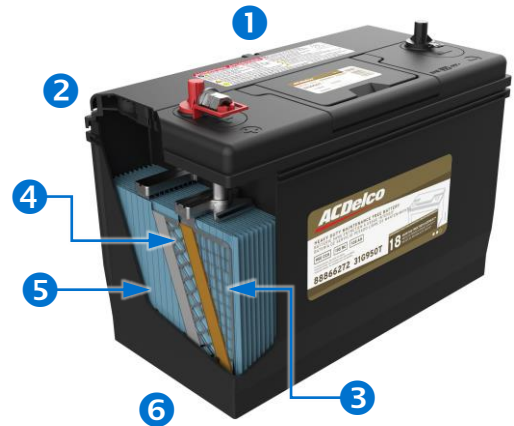
Heavy Duty Construction

GOLD

SILVER

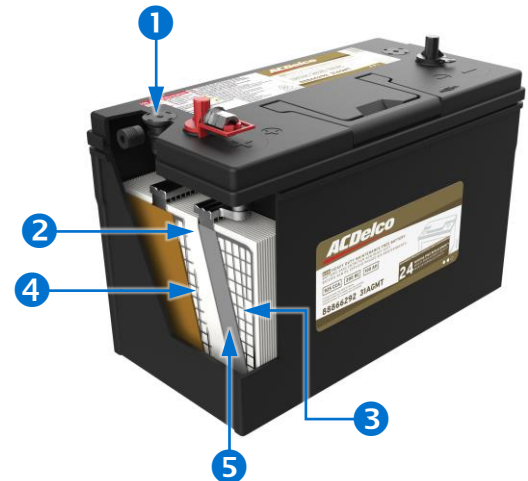
Flooded Construction

- ❶ Maintenance Free Sealed Top with suitcase style handles
- ❷ Epoxy top bonding to help resist vibration for long life
- ❸ Full frame stamped positive grid designed for durability and superior power delivery over expanded grids
- ❹ Lead Calcium alloy helps resist gassing and water usage for long service life
- ❺ Robust puncture resistant ribbed envelope separators to help prevent shorts at all stages of life
- ❻ Heat sealed polypropylene case for excellent impact durability and chemical resistance



AGM Construction

- ❶ Valve regulated system contains and recombines gasses helping to extend battery performance
- ❷ Glass mat compressed between grids absorbs electrolyte for reduced acid stratification and internal cell deterioration as well as improved vibration resistance over flooded construction
- ❸ Full frame stamped positive grid designed for durability and superior power delivery over expanded grids
- ❹ Stamped alloy full frame negative grid help resists gassing and water usage for long service life as well as low self-discharge for long off-use life
- ❺ High density tetrabasic paste helps improve performance and life



ACDelco has a Heavy-Duty battery to fit almost any need, including flooded starting Batteries that have a range of CCA (Cold Cranking Amp) ratings like 750, 950, or even 1000 CCA with High Reserve Capacity, a low-cost 660 CCA Silver, an Enhanced Cycling Life 700 CCA option or straight deep cycle. The choices continue with several AGM options even including the Premium pure lead XAGM line with enhanced performance and life (see sell sheet 07-SS-0233-20EL for details). The 31ECL700T is great for applications that use the starting battery for extra equipment even during key-off.

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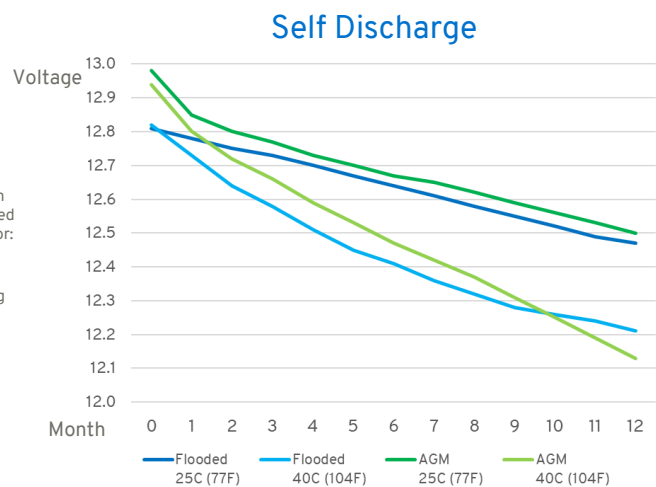
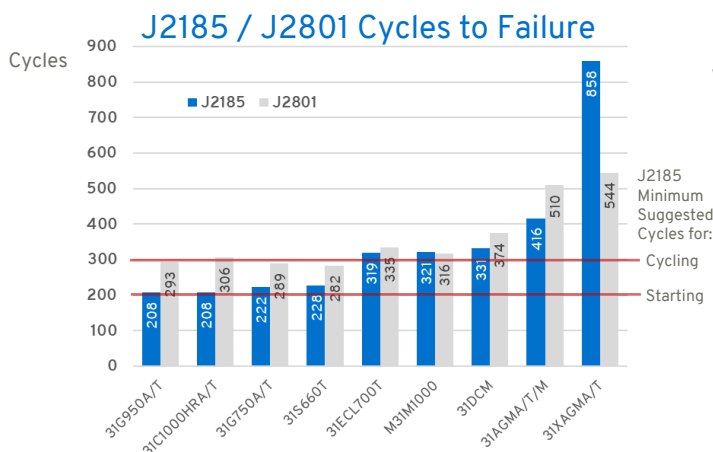
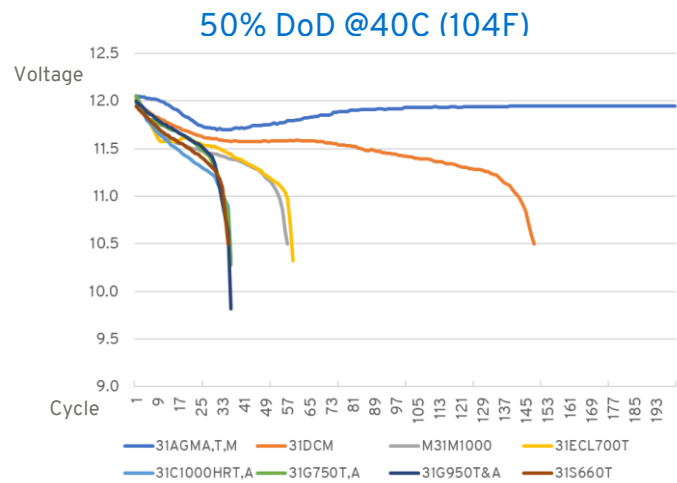
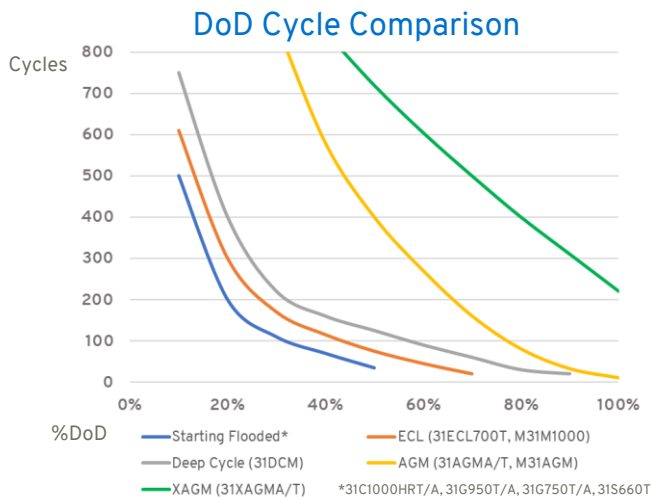


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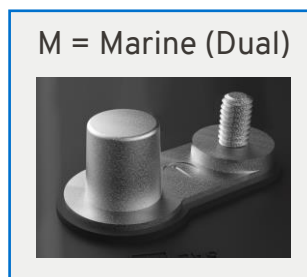
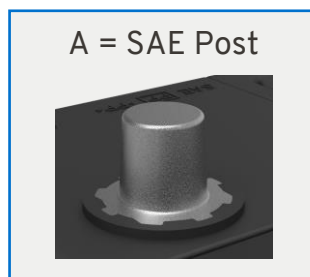
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GOLD SILVER

Technical details can help make the best decision on which battery fills both the requirements of the application and the economies of the business model. Cycling capabilities can be compared to the application usage patterns both for depth of draw ("DoD", how much energy is drained before charging) and duty time (period between charging cycles). SAE J2185 performance life testing is a widely recognized industry test standard for heavy duty batteries compared to J2801 more often used for Automotive batteries. Self discharge helps determine storage maintenance plans for charging batteries not in use.



Terminals



*Most ACDelco Group-31 HD Batteries have their terminals close to C/L (center line) to maximize installation flexibility.

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