

AGM AUTOMOTIVE BATTERY

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AGM START-STOP BATTERIES



- Super High Power and Long PSOC Life
- The Technology For Start-Stop Application
- The Future Product For Today - Green Energy

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AGM START-STOP BATTERIES DIN SERIES



Specification

Type	Voltage (V)	Ampere Hour Capacity 20HR	Reserve Capacity	CCA @0°F (-18°C)	Maximum Overall Dimensions mm (inches)				Handle	Assembly Figure (As per Cover Polarity)	Terminal Type	Approx. Weight	
					AH	Min	A	L				W	H
VRL1 50-H4	12	50	80	570	207(8 1/8)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	15.5	34.1
VRL2 60-H5	12	60	100	680	242(9 4/8)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	18.7	41.1
VRL3 70-H6	12	70	120	760	278(11)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	21.5	47.3
VRL4 80-H7	12	80	140	800	315(12 6/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	24.5	53.9
VRL5 92-H8	12	92	160	850	353(13 14/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	27.0	59.4
VRL6 105-H9	12	105	190	950	393(15 8/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	30.0	66.0

Start-Stop

With Start-Stop vehicles, the engine is switched off during short stops for instance at traffic lights in order to save fuel and to reduce CO₂ emissions by 5-10%.

Technology Focus :

In response to CO₂ reduction targets set by EU that require engine to be shut off instead of idling while the vehicle is stopped, nearly all vehicle manufacturers launch Start-Stop platforms in Europe automotive battery.

Requirements :

Battery is required to start engine more frequently and provide energy for device support while "stop" mode. Battery is integrated within a sophisticated energy and battery management system.

Battery Technology :

Advanced AGM technology for: super high power and cold cranking ampere; very good charging acceptance performance; much longer cycle life compared to normal flooded car batteries.

Advantage

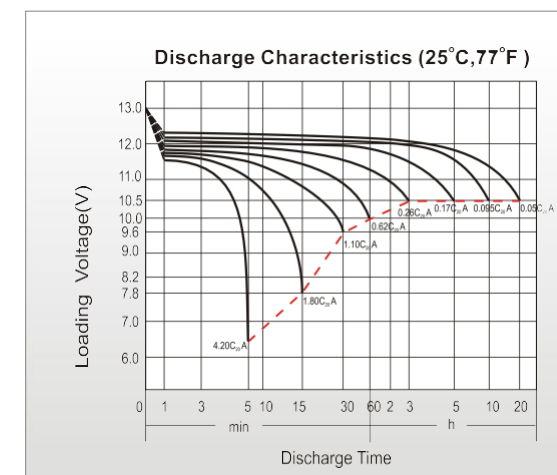
1. Innovative AGM technology (Absorbent Glass Mat) with high compression separator.
2. Latest OE technology for advanced Start-Stop vehicles.
3. At least three to four times more cycle life and can meet the requirement of all Start-Stop vehicles and high-end luxury vehicles.
4. High charging acceptance for absorbing large surges of electrical energy generated via brake energy recuperation.
5. 100% leak-proof and spill-proof to 360°.
6. Excellent starting power, so you can rely on the engine starting even at a low state of charge.
7. Longer lifespan.
8. Totally maintenance-free.

Applications

- Automotive
- Stereo Systems
- Boats & Rvs
- Hydraulic Lifts
- Winches
- On-board Electronics

Features & Benefits / Discharge Tables & Graphs

- Superior starting power, high reserve capacity, and long lasting life.
- Maintenance-free advanced AGM technology battery built in same BCI group case/configuration.
- 100% sealed construction and completely spill-proof and leak-proof design is smart choice for your critical equipment.
- Flat plate design makes completed usage of active material, and provides maximum performance and efficiency.
- Special micro-porous glass separators can absorb electrolyte completely, eliminate acid spills and terminal corrosion.
- Tightly packed construction and calcium reinforced grids plates to prevent plate separation and guard against vibration damage.
- Easy fit and easy installation design.
- Superb dual terminal design delivers great starting and deep cycle service.
- Advanced plate casting machine assures the consistency of plate highest quality and optimum performance.



17.5% DOD Cycling Test

Discharge Characteristics(25°C,77°F)

