



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	TH				Kg	Lbs
CSS50-12	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
CSS60-12	12	60	100	680	242(9 4/8)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	18.8	41.4
CSS70-12	12	70	120	760	278(11)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	21.3	46.9
CSS80-12	12	80	140	800	315(12 6/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	24.0	52.9
CSS92-12	12	92	160	850	353(13 14/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	26.5	58.4
CSS105-12	12	105	190	950	393(15 8/16)	175(7)	190(7 2/4)	190(7 4/8)	Y	[Diagram]	T2	29.7	65.4

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.

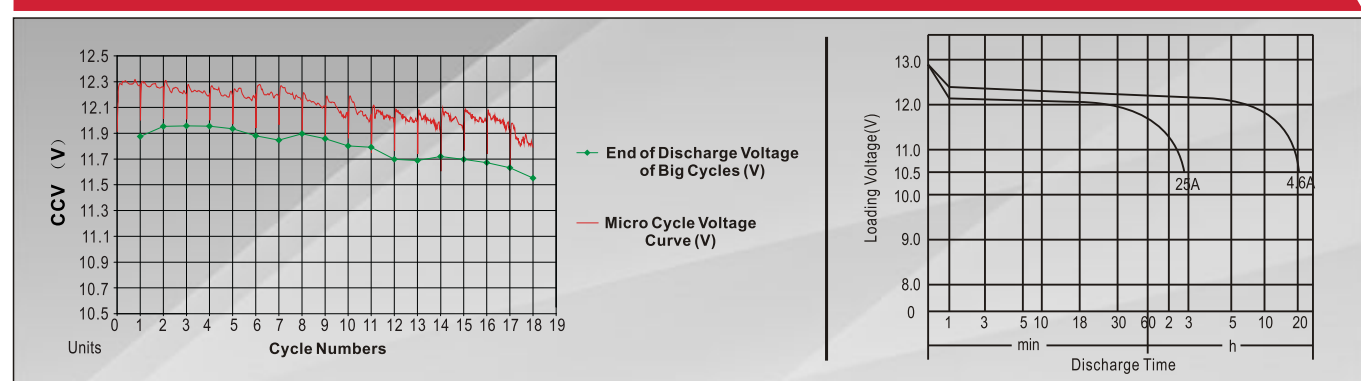
Requirements :

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.

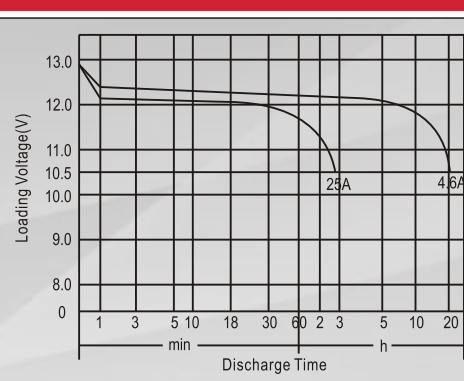
Battery Technology :

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.

17.5% DOD Cycling Test



Discharge Characteristics(25°C,77°F)



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.

AGM START-STOP BATTERIES BCI 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	TH				Kg	Lbs
BCI55-12	12	55	120	650	273(10 3/4)	168(6 5/8)	175(7)	196(7 3/4)	Y	[Diagram]	AP	19.1	42.1
BCI55-12M	12	55	120	650	273(10 3/4)	168(6 5/8)	175(7)	196(7 3/4)	Y	[Diagram]	AP&STUD	19.3	42.5
BCI55-12DT	12	55	120	650	273(10 3/4)	177.5(7)	175(7)	200(7 7/8)	Y	[Diagram]	DT	19.5	43.0
BCI100-12	12	100	190	850	330(13)	174(6 7/8)	217(8 2/4)	238(9 3/8)	Y	[Diagram]	STUD	31.0	68.3
Terminal Instruction	AP: SAE post.												
	AP&STUD: Molded-in offset SAE post and vertical 5/16" NEG., 3/8" POS. stainless steel studs and nuts.												
	DT: Dual terminal universal design.												
	STUD: 3/8"*16 stainless steel stud posts.												

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.

