

# "MADE IN JAPAN" New YUASA Automotive battery

*- Make you comfortable anytime*



Next to your car over 100 years!

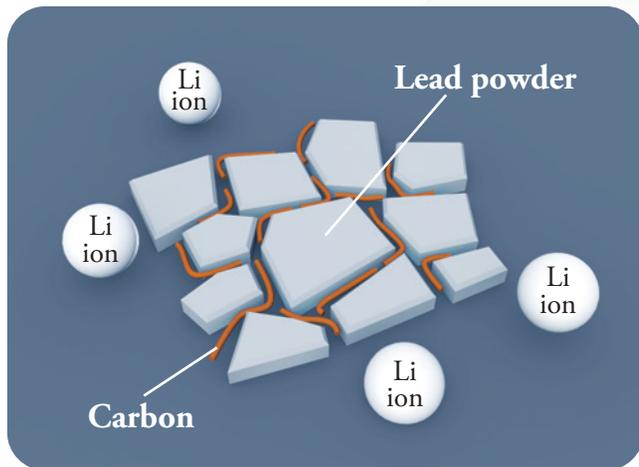


# YUASA MF series

YUASA MF series are suitable for the charged control car which is applicable to most of Japanese vehicle produced after 2005. This is the system supplying the current from the battery instead of alternator when the car accelerates. The alternator requires gasoline. Therefore, the charged control car saves gasoline with the battery's electricity. However, it requires quick charging specification. To meet it, YUASA MF series improve 22% of quick charging performance in comparison with our standard model.



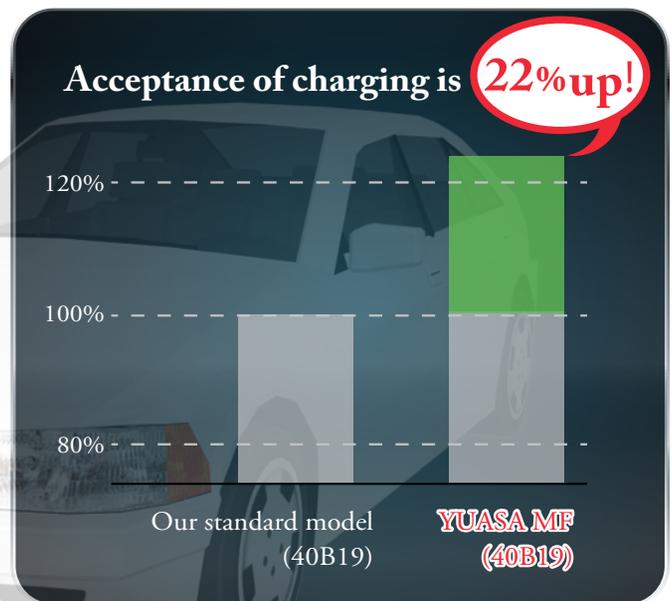
If you install a normal battery in the charged control car, the charging time requires much and the efficiency of a mileage becomes low. YUASA MF series have "Lithium and carbon technology" which improve 22% regarding the acceptance of charging. Of course, you can install YUASA MF in normal cars.



**- Key of 22% up**

- ① Lithium is added to acid
- ② Carbon is pasted to minus alloy

## Comparison of acceptance of charging



### Major model of charged control car

- TOYOTA : CAMRY, LAND CRUISER, LEXUS, CROWN
- HONDA : ACCORD, ODYSSEY
- NISSAN : SKYLINE, X-TRAIL, ELGRAND
- MITSUBISHI : OUTLANDER
- MAZDA : MAZDA3, MAZDA6

### Icons on carton box



MODEL	Ah/5H (*)	Ah/20H (*)	CCA (*)	Dimension (mm)				Weight (approx. KG)	Handle / Indicator
				Length	Width	Height	T.Height		
40B19R/L	28	35	340	187	127	202	227	8.5	With
44B19L	32	40	400	187	127	202	227	9.0	With
50B24R/L	36	45	380	238	128	202	227	11.0	With
60B24R/L	36	45	495	238	128	202	227	11.5	With
60D23R/L	48	60	428	232	173	202	225	14.5	With
80D23R/L	52	65	550	232	173	202	225	15.5	With
85D26R/L	55	69	615	260	173	202	225	17.5	With
105D31R/L	64	80	720	305	173	202	225	20.0	With
115D31R/L	72	90	810	305	173	202	225	20.5	With

(\*) Ah/5H, Ah/20H and CCA are reference only.

# YUASA LOW MAINTENANCE series

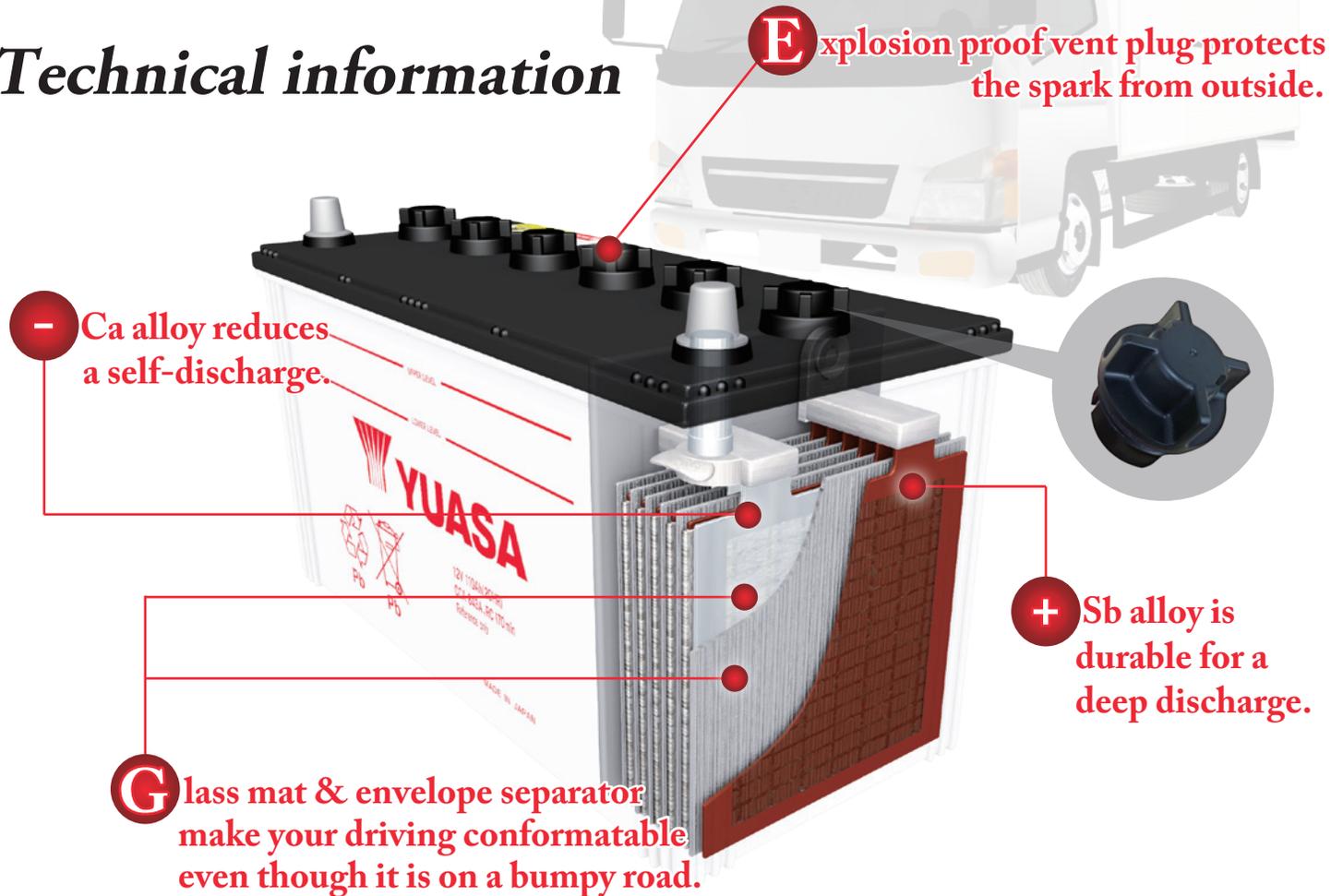
YUASA LOW MAINTENANCE series are the most suitable battery for trucks and buses and perfectly fit for a bumpy road and a long driving. If a vibration on a bumpy road or a construction site is continued to be given, the paste of grid will be removed.

If a big vibration hits, a short circuit will break out.

YUASA LOW MAINTENANCE battery installs "Glass mat & Envelop Separator". They prevent the removal of paste and make you comfortable. In addition, our strong casting grid and high density paste make long driving and more durability for vibration.



## Technical information



Icons on carton box

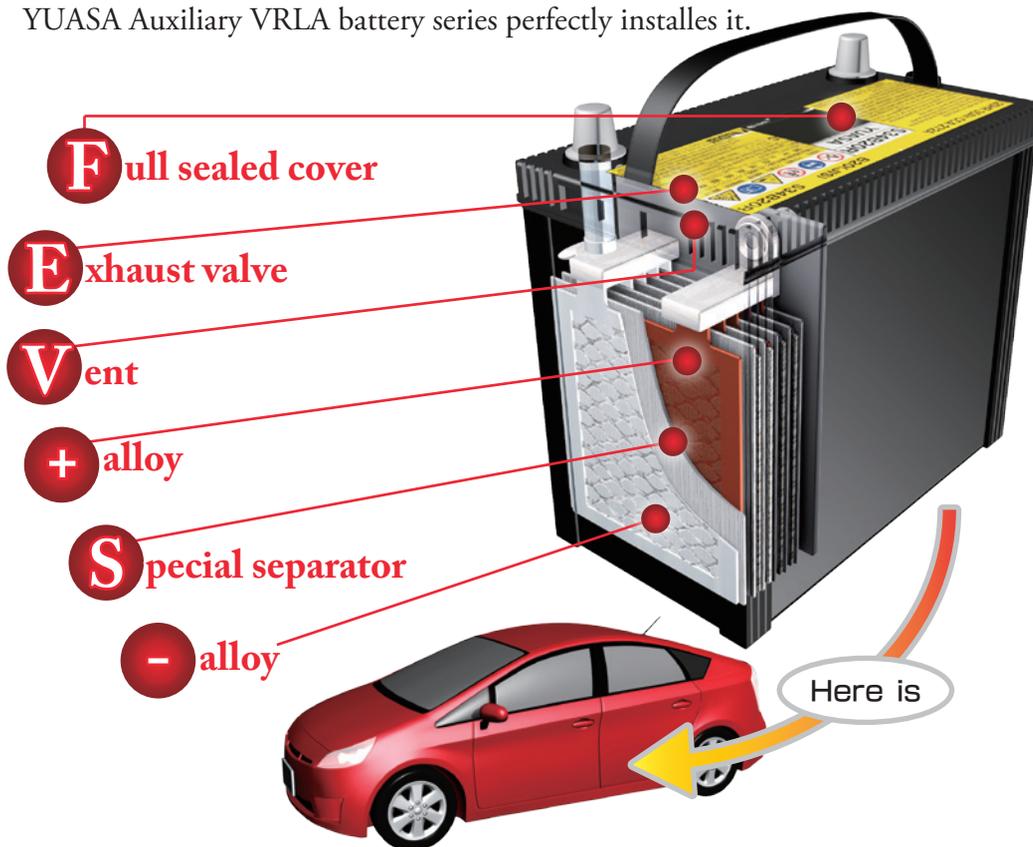


MODEL	Ah/5H (*)	Ah/20H (*)	CCA (*)	Dimension (mm)				Weight (approx. KG)	Handle
				Length	Width	Height	T.Height		
120E41R	88	110	843	409	175	211	233	28.5	With
130F51	96	120	843	505	182	212	257	33.0	With
155G51	120	150	995	507	222	212	257	41.5	With
225H52	176	220	1453	520	278	218	268	58.5	With

(\*) Ah/5H, Ah/20H and CCA are reference only.

# YUASA Auxiliary VRLA series

YUASA Auxiliary VRLA series are the official replacement battery for TOYOTA Prius series and suitable battery for Hybrid car. Main battery and Auxiliary battery are installed in Hybrid car. Main battery is for ignition. Auxiliary battery supplies the current for the hybrid system and the backup memory on a parking. Auxiliary battery is normally installed in inside of the car such as a trunk room or under a back seat. Therefore, the structure which discharges harmful gasses of a battery into outside of a car is required. YUASA Auxiliary VRLA battery series perfectly installes it.



- Alloy of auxiliary VRLA battery can absorb oxygen gas. In case of over charging, exhaust valves discharge gasses into outside of the car.

MODEL	Adaptation car model
S34B20R	PRIUS (W20, W30) standard model
	PRIUS PHV, PRIUS α
	AQUA (PRIUS-C)
	COROLLA HYBRID
S34B20L	PRIUS (W10)
S46B24R	PRIUS (W20, W30) upper model
	PRIUS PHV upper model
	PRIUS α upper model
	LEXUS CT200h

Icons on carton box



MODEL	Ah/5H (*)	Ah/20H (*)	CCA (*)	Dimension (mm)				Weight (approx. KG)	Handle	Indicator
				Length	Width	Height	T.Height			
S34B20R	28	35	272	197	129	202	227	10.5	With	None
S34B20L	28	35	272	197	129	202	227	10.5	None	None
S46B24R	36	45	325	238	128	202	227	13.0	With	None

(\*) Ah/5H, Ah/20H and CCA are reference only.

Layout information	"R" type	"L" type	F51, G51, H52 type
		⊕         ⊖	⊖         ⊕

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