

■ Y5 series Essentials table

Performance Rank	YUASA Model	Spec			Length	Width	Height	Total Height	Charge Current
		20HR	CCA	RC					
40B19R	Y5-40B19R	35	359	53	187	127	202	227	2.8A
40B19L	Y5-40B19L	35	359	53	187	127	202	227	2.8A
55B19L	Y5-55B19L	40	404	61	187	127	202	227	3.4A
50B24R	Y5-50B24R	39	383	67	238	128	202	227	3.6A
50B24L	Y5-50B24L	39	383	67	238	128	202	227	3.6A
60B24L	Y5-60B24L	46	482	83	238	128	202	227	4.0A
60B24L(S)	Y5-60B24L(S)	45	440	67	238	128	202	227	4.0A
55D23R	Y5-55D23R	53	460	99	232	173	202	225	4.8A
55D23L	Y5-55D23L	53	460	99	232	173	202	225	4.8A
80D23L	Y5-80D23L	67	520	119	232	173	202	225	5.6A
80D26R	Y5-80D26R	62	541	111	260	173	202	225	5.5A
80D26L	Y5-80D26L	62	541	111	260	173	202	225	5.5A
105D31R	Y5-105D31R	84	655	156	305	173	202	225	6.4A
105D31L	Y5-105D31L	84	655	156	305	173	202	225	6.4A
130D31R	Y5-130D31R	91	746	175	305	173	202	225	7.2A
130D31L	Y5-130D31L	91	746	175	305	173	202	225	7.2A

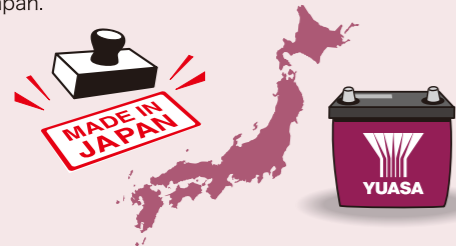
● If this product is used for any purpose other than engine start, it will not be covered by warranty. ● 20HR, CCA and RC are reference only.
● Some models are not for sale in some countries.

Advanced technologies
used in the Y5 series

- High temperature durable grid** A grid with excellent heat resistance is used to minimize deterioration of the battery due to heat.
- New additive used in negative grid active material** New additive used in negative grid active material were added to suppress crystallization of lead, thereby improving sulfation resistance.
- Lithium in electrolyte** Enhanced ionization of lead by incorporating lithium into the electrolyte solution. Quick charge performance was also improved.

MADE IN JAPAN

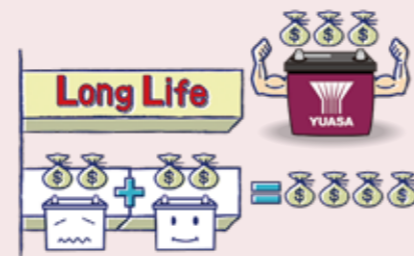
GS YUASA is a battery manufacturer with the No.1* market share in Japan. The Y5 series is manufactured in factories in Japan.



*According to a 2019 Japanese automotive repair battery market share survey and a new car installation battery share survey by a research firm in Japan.

EXTREME LONG LIFE

Since the Y5 series has a long lifespan, it is rarely replaced, and as a result, it is easier on your wallet.



Y5 series

JIS standard passenger car battery

Suitable for charged control cars



日本製

MADE IN JAPAN



● The country of origin, some designs and specifications may be changed without prior notice.
● The contents of this catalog are current as of February 1, 2021.

This brochure is printed in eco-friendly vegetable-oil based ink.



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Distributed by

The three performances required for batteries nowadays

EXTREME LONG LIFE Y5 series

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Suitable for charged control cars



High temperature durability

Quick charge performance

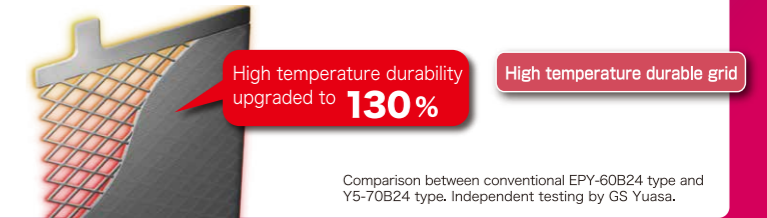
Durability in slight discharge use

The three performances greatly upgraded by advanced technology!

Improvement of high temperature durability

A "High temperature durable grid" with great heat resistance to withstand heat in engine compartment was adopted. It minimizes battery deterioration from use in a high temperature environment.

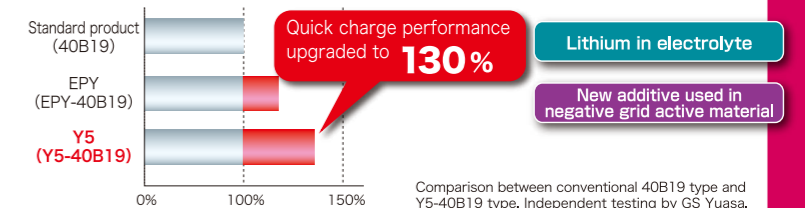
●High temperature durable grid



Improvement of quick charge performance

Enables quick charging in a short time. It is also perfect for charged control cars because durability in slight discharge use improved. It is reliable even for many short distance rides.

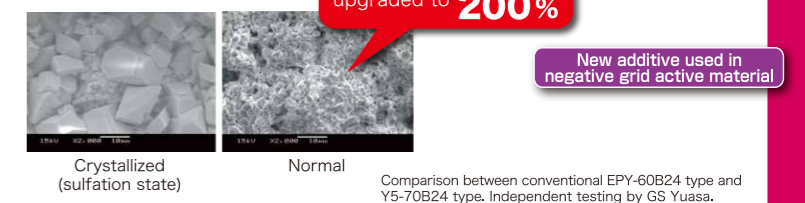
●Quick charge performance test



Improvement of sulfation resistance

Minimizes sulfation*, which is one of the phenomena caused by battery degradation. It is reliable even for cars with less driving frequency.

●Micrograph of lead sulfate



*A phenomenon in which crystallization of lead sulfate, a discharge product, prevents charging reaction and makes it hard to take out electricity. It is more likely to occur if the battery is undercharged due to short distance driving or if the car is used infrequently and discharged for a long time.

The environment surrounding batteries is changing in recent years.

High temperature environment use

The engine compartment becomes hotter due to high power of engines and improved fuel efficiency. The temperature has increased due to climate changes and heat island effect.

Engine compartment becomes hot

Temperature increase

Use of a charged control system

The charged control system shortens the charging time of the battery, which leads to quick charging. Most Japanese cars in recent years are equipped with this charged control system, except for hybrid and start & stop cars.

Shorter charging time

Less likely to fully charge

Durability in slight discharge use

Besides safety driving devices and drive recorders, more and more electrical components operate while parking. Due to changes in society, low-speed driving(traffic jam, etc.) increased in urban areas, causing a lack of generator power. The number of cars increased but the operating rate per car decreased.

Increased electrical load

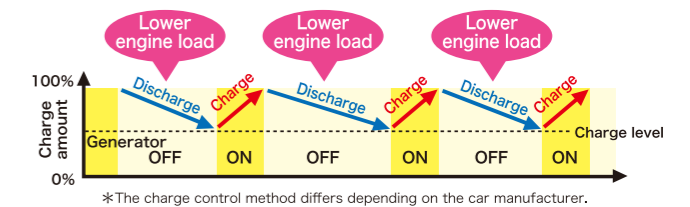
Less likely to fully charge

Increase of sulfation-related troubles

Most Japanese cars are equipped with the charged control system.

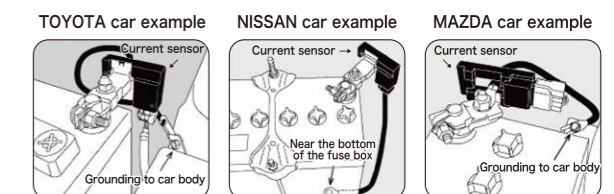
What is a charged control system?

It is a mechanism that finely controls (ON/OFF) operation of the generator according to driving conditions of the car and the battery state to reduce engine load and gasoline consumption.



Identify charged control cars

A current sensor is located near the terminal because the charged control system constantly checks the battery status.



Best batteries for charged control cars

Batteries with quick charge performance that can be charged efficiently in a short time are required. If a normal battery is installed in a charged control car, not only will it not be possible to maintain the car's original fuel efficiency, but the charge will not be done completely, so there is a risk of battery trouble due to insufficient capacity.

