

THUNDERMAKER-II UNIVERSAL



High Engine Starting Performance

Engine starting performance simply depends on how the battery provide with high voltage and large current. High voltage accelerates the starter motor speed higher and also gives stronger sparks of spark plugs when ignition. In short, how to lower the impedance of the battery is the key factor to enjoy better engine starting performance. For THUNDERMAKER-II Universal, Inner Lug Super Strong Grid of latest design, Inter-Cell Straight Connection and PE-Envelop Separator are adopted to make impedance of the battery extraordinarily low. THUNDERMAKER-II Universal always provides you with satisfaction of smooth and powerful engine starting in hot and cold climate.

Long Life

Newly, the grid of Punching is applied for the positive plate. This enhances mechanical strength and durability (Remarks: Book-Mold Casting is applied for 55B24), while high-speed Continuous Casting Grid is employed for negative plate to prevent growth (swelling) of plates and to keep strong contact of active materials to the mesh of the grid. This optimum combination of grids ensures stable quality level and longer service life of THUNDERMAKER-II Universal both in desert land and blizzard field.

Convenience of Wet-Charge

This THUNDERMAKER-II Universal Wet-Charged MF Battery is launched as the successor to the current THUNDERMAKER Dry-Charged MF Series. THUNDERMAKER-II Universal is the new series of factory-fresh battery with electrolyte-filled, fully charged and good to use at once.

For All Japanese New Passenger Cars

As one of the most reliable and prestigious battery manufacturer in Japan, we, THE FURUKAWA BATTERY CO.,LTD. are supplying our batteries to all of Japanese new car manufacturers as Original Equipment (OE). Our THUNDERMAKER-II Universal is manufactured in the same production lines that our OE batteries are manufactured and shipped to the market under the same strict quality control and same punishing inspection that we are carrying out on our OE batteries. The one and only difference THUNDERMAKER-II Universal has is outer cosmetic design. Our THUNDERMAKER-II Universal always guarantees you a smooth engine starting and comfortable driving as if you are on a brand-new car.

THUNDERMAKER-II UNIVERSAL

Get your engine fired up with a power box of the thunderbolt. It always satisfies you with one-strike starting and ever-comfy driving, anywhere, any time. This Premium-MF Battery series in full range is genuinely manufactured in Japan to suit to all Japanese passenger cars, now available in factory-filled and wet-charged condition.

The name is THUNDERMAKER-II UNIVERSAL



Genuine Japanese Products



For More Information, please contact

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FB FURUKAWA BATTERY

FURUKAWA THUNDERMAKER-II UNIVERSAL

PREMIUM-MF BATTERY PRODUCTS DATA TABLE



Category of Sizes	B19	
External Overview	Dimensions	
	Length	: 185 mm
	Width	: 125 mm
	Height	: 200 mm
	Total Height : 227 mm	
JIS Model Number	40B19R	40B19L
Weight	9.4 kg	
Acid Volume	2.3 ℓ	
Voltage	12 V	
Capacity(20HR)	32 Ah	
Reserve Capacity	46 min.	
SAE Cold Cranking Amperes(-18°C)	270 A	

Category of Sizes	B24	
External Overview	Dimensions	
	Length	: 236 mm
	Width	: 126 mm
	Height	: 200 mm
	Total Height : 227 mm	
JIS Model Number	55B24R	55B24L
Weight	12.0 kg	
Acid Volume	3.2 ℓ	
Voltage	12 V	
Capacity(20HR)	43 Ah	
Reserve Capacity	64 min.	
SAE Cold Cranking Amperes(-18°C)	370 A	

Category of Sizes	D23	
External Overview	Dimensions	
	Length	: 230 mm
	Width	: 169 mm
	Height	: 200 mm
	Total Height : 225 mm	
JIS Model Number	75D23R	75D23L
Weight	16.0 kg	
Acid Volume	3.8 ℓ	
Voltage	12 V	
Capacity(20HR)	60 Ah	
Reserve Capacity	95 min.	
SAE Cold Cranking Amperes(-18°C)	465 A	

Category of Sizes	D26	
External Overview	Dimensions	
	Length	: 257 mm
	Width	: 170 mm
	Height	: 200 mm
	Total Height : 225 mm	
JIS Model Number	80D26R	80D26L
Weight	18.0 kg	
Acid Volume	4.3 ℓ	
Voltage	12 V	
Capacity(20HR)	63 Ah	
Reserve Capacity	103 min.	
SAE Cold Cranking Amperes(-18°C)	490 A	

Category of Sizes	D31	
External Overview	Dimensions	
	Length	: 304 mm
	Width	: 171 mm
	Height	: 200 mm
	Total Height : 225 mm	
JIS Model Number	95D31R	95D31L
Weight	21.0 kg	
Acid Volume	5.1 ℓ	
Voltage	12 V	
Capacity(20HR)	74 Ah	
Reserve Capacity	125 min.	
SAE Cold Cranking Amperes(-18°C)	565 A	

CLASSIFICATION OF BATTERY MODELS, 55B24R FOR INSTANCE

CLASSIFICATION OF BATTERY SIZE CLASSIFICATION OF TERMINALS

55
PERFORMANCE RANK

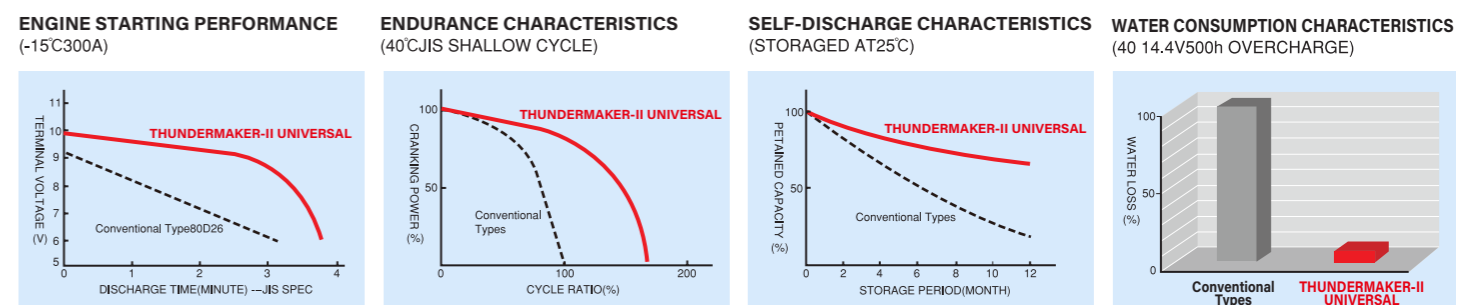
IT DEFINES PERFORMANCE INDEX OBTAINED FROM CORRELATION BETWEEN RESERVE CAPACITY(RC) AND COLD CRANKING AMPERE(CCA). THE LARGER FIGURE SHOWS THE HIGHER PERFORMANCE.

B
CLASS OF FLANK (SHORTER SIDE) AREA

24
APPROXIMATE LENGTH (LONGER SIDE) OF BATTERY IN cm

R
INDEX OF TERMINAL POSITION

- CCA (Cold Cranking Amperes)**
The number of amperes a battery at -18°C can deliver for 30 seconds and maintain at least 7.2 volts.
- RC (Reserve Capacity)**
The time in minutes that a fully charged battery can deliver 25 amperes at 25°C and maintain a terminal voltage equal to, or higher than, 10.5volts.
- 20HR Capacity**
The quantity of electricity (Ah) that a battery can deliver 20hours rate current at 25°C and maintain a terminal voltage equal to, or higher than, 10.5 volts.



Carefully read service manual before use the battery