

For VRLA & Conventional type Motorcycle batteries

AUTOMATIC BATTERY CHARGER MB-2060 (Applied Battery type: 12V . 2~

(Applied Battery type: 12V • 2~21Ah/10HR)

This 2A/4A/6A selectable output current battery charger has the following advantages when compared with normal charger (Semi-CV type) and is suitable for both VRLA & Conventional type lead acid motorcycle batteries.

■ Features

1. Selectable output current

Output current can be selected suitable for any capacity of Yuasa motorcycle battery.

2. Capability to charge deeply discharged batteries

Deeply discharged batteries can be recharged using the recovery-charging mode.

3. Determination if battery can be recovered

Determines if the battery can be recovered after 30 min. as indicated by LED.

4. Automatic shut off

Charging will stop automatically after 12 hours maximum. ("NEW" mode)

5. Safety charging for new battery

Safety charging mode for charging newly acid filled battery. ("NEW" mode)

6. Maintain charging function

Switch to maintain charging mode max. after 10 hours maximum to keep battery in charged condition. ("NORMAL" mode)

*Explanation of charging mode:

"NEW" : Mode for newly acid filled battery in the event that the battery voltage does not reach to 12.5V 20 minutes after filled with acid. "NORMAL": Mode for battery once in use.

7. Safety standard

Applied for CE and UL/CUL.

Protection

- (1) Reverse connection and Short circuit
- 2 Spark prevention when connecting charging clips
- 3 Automatic shut-off when charging clip is disconnected
- 4 Over charge-high current protection (Output)
- ⑤ Reverse current prevention (3.0mA or less)
- 6 Thermally protected transformer prevents overheating
- (7) Safety charging function for charging newly acid filled battery ("NEW" mode)

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AC input	(50/60Hz)	DC Output							Dimension(m/m)			Mass	Applied battery	
Voltage(V)	Current(A)	Charging	Recovery charging		Bulk charging		Maintain charging		W	ОН	D	(Approx. kgs.)	(V) / (Ah/10HR)	
100 120	Max. 2.3 Max. 1.8	mode NEW	Voltage(V)	Current(A)	Voltage(V)	oltage(V) Current(A)	Voltage(V)	Current(A)	177	91	210	3.8	12 / 2~21	
220	Max. 1.0		Max.20.0	Max.0.2	Max.14.0	Max. 2.0								
230 240	Max. 1.0 Max. 1.0	NORMAL			Max.14.5	4.0 6.0	Max.13.3	Max.1.0						

(* Input voltage, current and frequency to be changed from country to country)

Automatic Battery Charger

≪Estimated charging time (at 20 deg.C ambient temperature)≫

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Battery capacity (Ah / 10HR)		3	4	6	8	10	11	12	18	21	
Battery	size selection		2A			4	6A				
YUASA	A battery type	YTR4A-BS YT4B-BS YT4L-BS	YB4L-BS YTX5L-BS	YTX7L-BS YTX7A-BS YTZ6 YTZ7S	YB7-A YTX9-BS YTZ10S	YB9-B YT12-BS YTX12-BS	YB10L-B YTZ12S YTZ14S	YB12A-A YTX14-BS	YTX20L-BS	YTX24H YIX30	
Time (H)	NEW mode	0.5	1.0	1.5	1.0	1.5	2.0	2.0	2.5	3.0	
	NORMAL mode	6.5	7.5	8.0	7.0	8.0	8.5	9.0	8.5	10.0	

(Note: Specification shown on this leaflet may change time to time without notice)