MAINTENANCE FREE VRLA AGM BATTERIES

Series **MB**

LEGEND:			
MB	**XX**	**-**	**YY**
Series	Typical capacity		Nominal voltage

■ Features:

- *Made in VRLA (AGM) technology - maintenance-free*
- *Dry type, no need for electrolyte refilling*
- *Standardised dimensions*
- *Dedicated for buffer operation*
- *Ability to work indoors with people*

■ Application:

- *Alarm systems*
- *Emergency and buffer power supply (single battery)*

◎ ELECTRICAL PARAMETERS

Model	Rated voltage	Charging voltage	Typical charging current	Maximum charging current	Cut-off voltage [1]	Operating temperature (±2°C)
MB 5-12	12V	13.6 ÷ 13.8V	0.5A	1.25A	10.5V	20°C
MB 7.2-12			0.7A	1.8A		
MB 9-12			0.9A	2.25A		
MB 10-12			1.0A	2.4A		
MB 14-12			1.2A	3.6A		
MB 17-12			1.7A	4.25A		
MB 18-12			1.8A	4.5A		
MB 18-12F			1.8A	4.5A		
MB 20-12			2.0A	4.0A		
MB 26-12			2.6A	6.5A		
MB 33-12			3.3A	8.25A		
MB 40-12			4.0A	10.0A		
MBE 50-12			5.0A	12.5A		
MB 65-12			6.5A	16.2A		
MB 80-12			7.0A	21.0A		
MB 90-12			8.70A	27.0A		
MB 100-12			10.0A	25.0A		
MB 120-12			12.0A	50.0A		
MB 150-12			15.0A	37.5A		
MB 200-12			20.0A	50.0A		

[1] The device to which the battery is connected must be equipped with a deep discharge disconnector (RGR) set to cut-off voltage.

◎ OPERATING TEMPERATURE RANGE

Discharge	-20°C ÷ +60°C
Charge	-10°C ÷ +60°C
Storage	-20°C ÷ +60°C

⊙ MECHANICAL PARAMETERS

Model	Length (±2mm)	Width (±2mm)	Height (±2mm)	Total height (±2mm)	Terminal	Unladen weight*	Amount per pack	Packing dimensions
MB 5-12	90mm	70mm	101mm	107mm	FASTON 187 (4.75x0.8mm)	1.4kg	10pcs.	37.0 x 19.0 x 13.5cm
MB 7.2-12	151mm	65mm	95mm	101mm	FASTON 187 (4.75x0.8mm)	1.9kg	5pcs.	34.5 x 16.5 x 12.5cm
MB 9-12	151mm	65mm	95mm	101mm	FASTON 187 (4.75x0.8mm)	2.2kg	5pcs.	34.5 x 16.5 x 12.5cm
MB 10-12	151mm	65mm	95mm	101mm	FASTON 187 (4.75x0.8mm)	2.5kg	5pcs.	34.5 x 16.5 x 12.5cm
MB 14-12	151mm	98mm	95mm	101mm	FASTON 187 (4.75x0.8mm)	3.4kg	4pcs.	31.8 x 20.7 x 16.3cm
MB 17-12	181mm	76mm	167mm	167mm	Female thread M5	4.9kg	4pcs.	32.5 x 19.5 x 19cm
MB 18-12	181mm	76mm	167mm	167mm	Female thread M5	5.4kg	4pcs.	32.5 x 19.5 x 19cm
MB 18-12F	181mm	76mm	167mm	167mm	Hole Φ6 for screw and nut	5.4kg	4pcs.	32.5 x 19.5 x 19cm
MB 20-12	181mm	76mm	167mm	167mm	Female thread M5	5.8kg	4pcs.	32.5 x 19.5 x 19cm
MB 26-12	166mm	175mm	125mm	125mm	Female thread M5	7.7kg	2pcs.	35 x 19 x 15.3cm
MB 33-12	195mm	130mm	163mm	168mm	Female thread M6	9.2kg	1pcs.	22 x 15.5 x 21.5cm
MB 40-12	197mm	165mm	170mm	170mm	Female thread M6	12.2kg	1pcs.	22 x 19 x 21cm
MBE 50-12	197mm	165mm	170mm	170mm	Female thread M6	13kg	1pcs.	22 x 19 x 21cm
MB 65-12	350mm	160mm	179mm	179mm	Female thread M6	18.6kg	1pcs.	37 x 19 x 21.5cm
MB 80-12	260mm	168mm	211mm	215mm	Female thread M6	22.5kg	1pcs.	27.5 x 18 x 24.2cm
MB 90-12	306mm	169mm	211mm	215mm	Female thread M6	26.0kg	1pcs.	35.5 x 19.5 x 27.5cm
MB 100-12	330mm	171mm	214mm	220mm	Female thread M6	30kg	1pcs.	35.5 x 19.5 x 27.5cm
MB 120-12	406mm	174mm	233mm	233mm	Female thread M8	35.5kg	1pcs.	43 x 20 x 27.5cm
MB 150-12	485mm	172mm	240mm	240mm	Female thread M8	41.4kg	1pcs.	51 x 19.5 x 27.5cm
MB 200-12	522mm	240mm	218mm	223mm	Female thread M8	62.3kg	1pcs.	54.5 x 26.5 x 27cm

** - tolerance +/- 5%.*