



FUKUDA technology surpasses competitors in durability & convenience. **TAP THE ENERGY**

Manufactured in technical collaboration with
Shin Kobe - Denki, Japan, the maker of Hitachi Batteries
& The Furukawa Battery Co. Ltd., Japan

Technical Specification

FUKUDA MF BATTERIES CONFORMING TO JIS D5301:2006

Battery Type	Overall Dimension (MM)			Capacity (AH) 20Hr rate (ref)	CCA at -18°C S.A.E / JIS 7.2V"30sec	Filled Weight (kg)	Reserve Capacity (Mins)	Terminal Type	Layout	Handle Type
	L	W	H							
44B20R/L-MF	187	127	227	35	290	10.5	45	T1	3	A
60B24R/L-MF	238	129	227	45	332	12.6	71	T1	3	A
80D23R/L-MF	232	172	225	65	580	18.0	112	T2	3	BH
90D26R/L-MF	260	173	225	75	582	18.6	133	T2	3	BH
115D31R-MF	305	173	225	90	750	23.7	150	T2	3	BH
95E41RMF/CMF100R	410	176	234	100	640	28.1	182	T2	3	RH
MF120/HMF130	505	182	257	130	720	35.7	247	T2	5	MH
MF150/HMF150	508	222	257	150	785	41.5	285	T2	5	MH
MF200/HMF200	521	278	270	200	1150	56.7	370	T2	5	MH

Maintenance Free
Both alloys are Lead Calcium

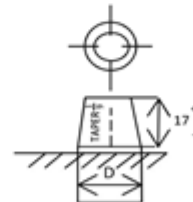
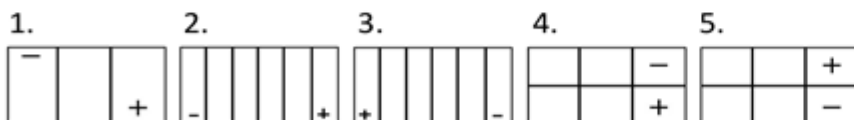
Hybrid Maintenance Free Battery
The positive plate grid alloy is Lead - Antimony and negative plate is Lead - Calcium

FUKUDA MF BATTERIES CONFORMING TO DIN43593 PART 2

Battery Type	Overall Dimension (MM)			Capacity (AH) 20Hr rate (ref)	CCA at -18°C		Filled Weight (kg)	Terminal type	Bottom Hold Down	Layout	Handle Type
	L	W	H		S.A.E / JIS 7.2V" 30sec	DIN (9.0V: 30sec)					
DIN62L-MF	243	175	190	62	570	320	17.3	T2	B3	2	H
DIN74L-MF	278	175	190	74	570	340	19.8	T2	B13	2	H
DIN100L-MF	353	175	190	100	690	440	25.2	T2	B3	2	H
DIN180L-MF	513	223	223	180	940	600	46	T2	B0	4	D

The CCA Values are at service gravity 1.280 ± 0.01 at 27°C

KEY TO BATTERY LAYOUT



TYPES OF TERMINAL	TIP DIAMETER (f.D)	
	POSITIVE (MM)	NEGATIVE (MM)
T1	14.7 0 -0.3	13.0 0 -0.3
T2	19.5 0 -0.3	17.9 0 -0.3

FB Marine Lead-Acid Batteries CONFIRMING TO JIS F8101

Battery Type	Nominal Voltage [V]	Capacity [Ah] (10-hour rate)	Outer dimensions [Approx.mm]				Weight [Approx.kg] (incl. electrolyte)	Electrolyte quantity [Approx. litres]
			Total Height	Height	Width	Length		
SS-200	4	200	368	325	170	270	29	7
SS-300	2	300	375	325	170	195	25	6
SS-400	2	400	375	325	170	285	33	10

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