

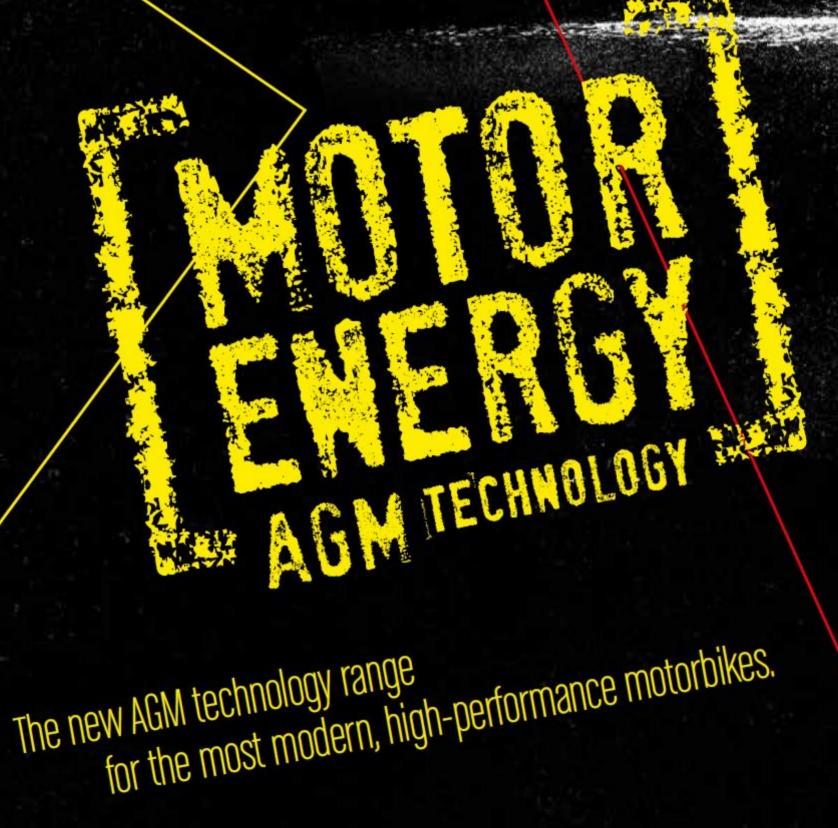
MOTORCYCLE, SCOOTER, SNOWMOBILE, ATV AND JET SKI **BATTERY**



Starter & Mobility
Power Solutions

GA TECHNOLOGY IN FB TECHNOLOGY Bike applications are the most diverse, spanning from scooters and powerful motorcycles to niche applications like jet skis and snowmobiles. To provide effective solutions for all needs, FIAMM has created the new Motor Energy range, a concentrate of energy for engines.





SEALED VALVE-REGULATED GAS-RECOMBINATION BATTERY

Absorbed Glass Mat (AGM) technology eliminates dangerous leakages of electrolyte by using a very fine fibreglass separator which absorbs the electrolyte withholding it inside the battery. No risk of acid leakage during installation or use.

Top power for safe starts in all conditions. The starting efficiency (A)/weight (kg) ratio of AGM batteries is the highest OUTSTANDING STARTING POWER available today.

MAINTENANCE-FREE

The implemented technology cuts water consumption virtually to zero. No top-ups needed for the entire life of the battery.

The plate-mats are compressed and construction is perfected to make the battery extremely resistant to vibrations for a RESISTANCE TO VIBRATIONS longer life.

GUARANTEED PERFORMANCE EVEN AFTER PROLONGED STORAGE

The use of lead-calcium alloys in the grids makes self-discharging process much slower than traditional batteries. Starting efficiency is maintained over time.



AGM TECHNOLOGY

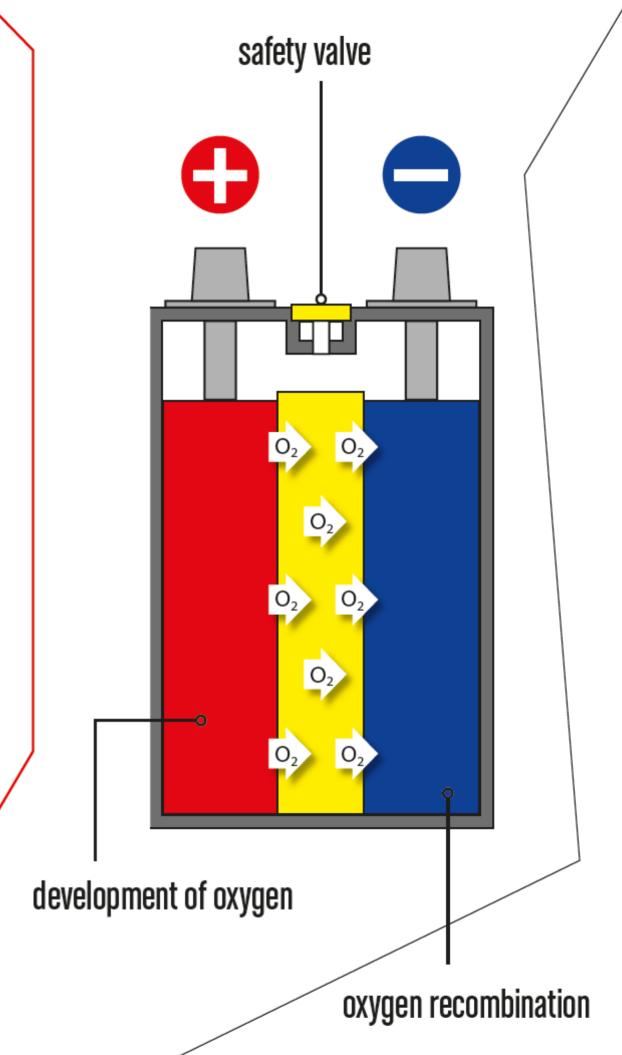
The key feature that sets this battery apart from a traditional one is AGM gas-recombination technology.

Water dissociates into hydrogen and oxygen in a traditional flooded lead battery when it is recharged. The two gases are released through the caps and the level of electrolyte decreases in the battery.

AGM technology exploits the recombination principle, instead. By using a special, very fine separator (Absorbent Glass Mat) seeped in a controlled amount of electrolyte, the oxygen released from the positive plate due to the dissociation of water during recharging can migrate to the negative plate where it is fixed to then recombine with hydrogen and form water again. In principle, this establishes a closed electrochemical cycle without gas emissions outside and without consuming water.

It is a simple system that requires high constructive accuracy and careful selection of components in order to work perfectly. Crucial are the plate-mat system compression and the purity of components.

SEALED GAS-RECOMBINATION BATTERY OPERATION





separator mat seeped in electrolyte

MOTOR ENERGY AGM Technology

CONTRIBUTION ET AND THE SMITHERN

CASING

Oil and petrol-resistant lid and one-piece container.

SAFETY VALVE

Reduces the risk of battery explosion in case of excessive gas build-up.

FLAME ARRESTOR

To eliminate the risks caused by occasional sparks or naked flames outside the battery.

SPECIAL CONNECTIONS

Reinforced cell-to-cell connections and plate-to-terminal connections for better current flow for starting the engine.

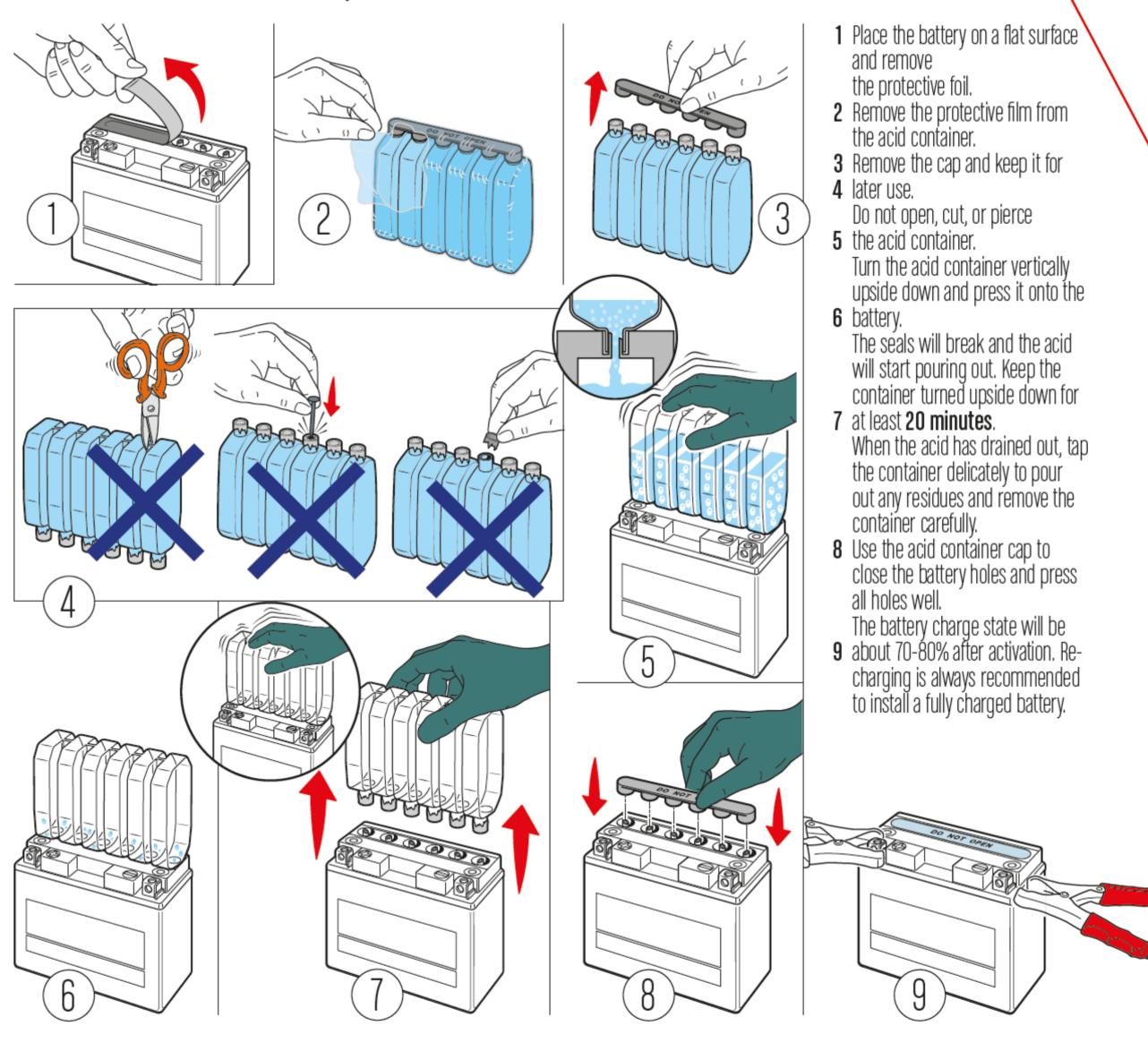
GLASS MICROFIBRE SEPARATOR MAT

Porous material designed to ensure optimal electrolyte retention, which combined with the safety valve prevents leakage of liquid or gas.

SPECIAL ACTIVE MASS FORMULA

Designed to increase battery life and reliability.

INSTRUCTIONS FOR ACTIVATING, CHARGING AND INSTALLING THE AGM BATTERY







The new FB technology range for scooters and small motorcycles.

DRY CHARGE BATTERIES WITH ACID BOTTLE INCLUDED

The advantage is that the battery can be activated whenever it is needed. Dry charge batteries can be stored for a long time. The acid bottle provided with the battery allows it to be prepared for use at any time.

FB TECHNOLOGY

Top starting power, always. Special additives specifically formulated to reduce damage caused by sulphation of plates during deep discharge of the battery, guaranteeing starting even in difficult conditions. (This technology is implemented in all FB models).

LOW MAINTENANCE

A special lead alloy reduces water consumption, the self-discharge of the battery and need for maintenance, as a consequence.

COMPLETE RANGE: 12 V & 6 V

More than 50 models of batteries for all types of motorbikes.



MOTOR ENERGY FB Technology



Corrosion-resistant to guarantee longer battery life.

REMOVABLE CAPS

For easy servicing.

SPECIAL CONNECTIONS

Reinforced cell-to-cell connections to guarantee the best current flow for starting.

CASING

Oil and petrol-resistant lid and one-piece container to protect the battery plates from damage caused by collisions or vibrations.

DRY CHARGE PLATES

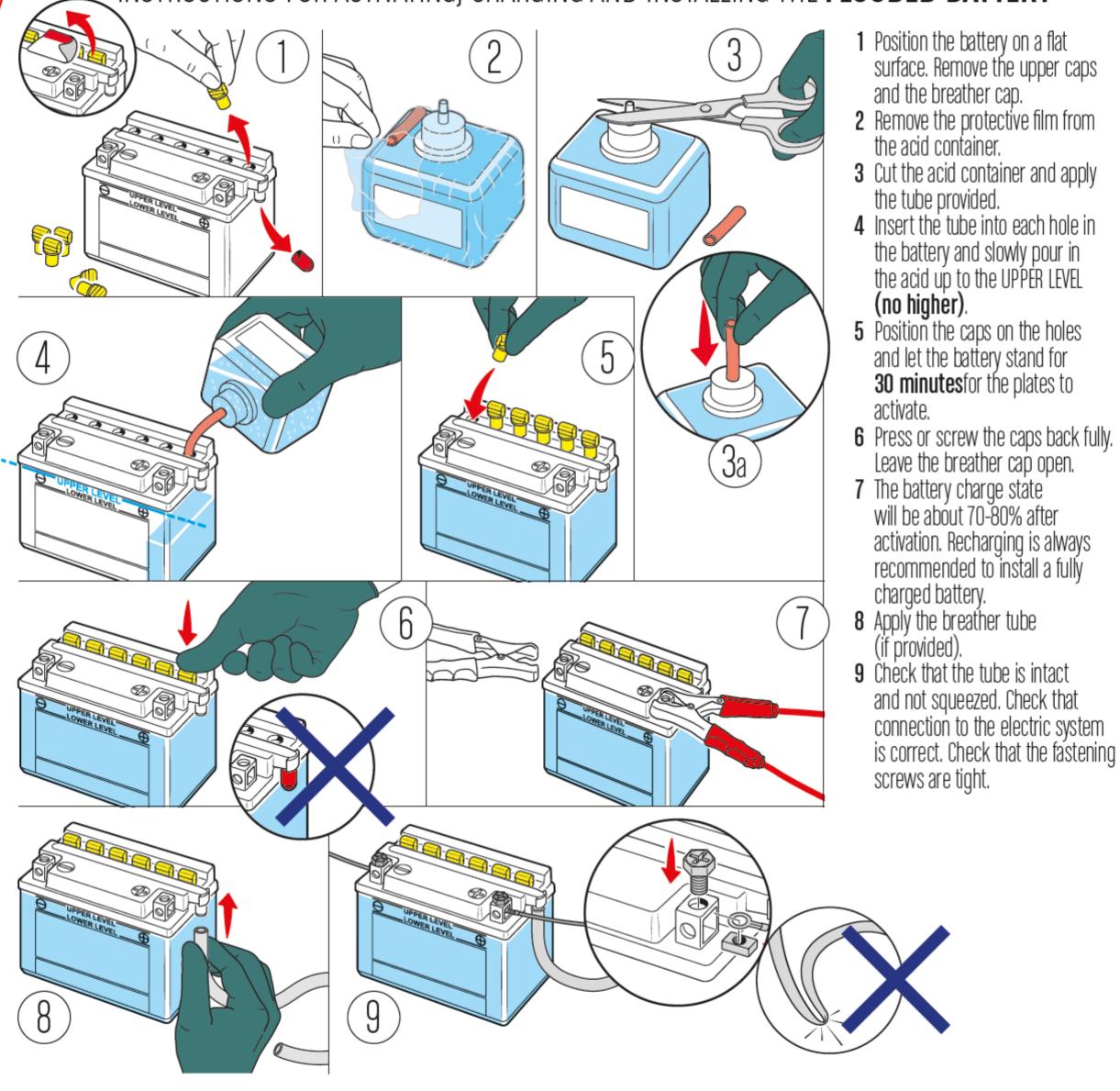
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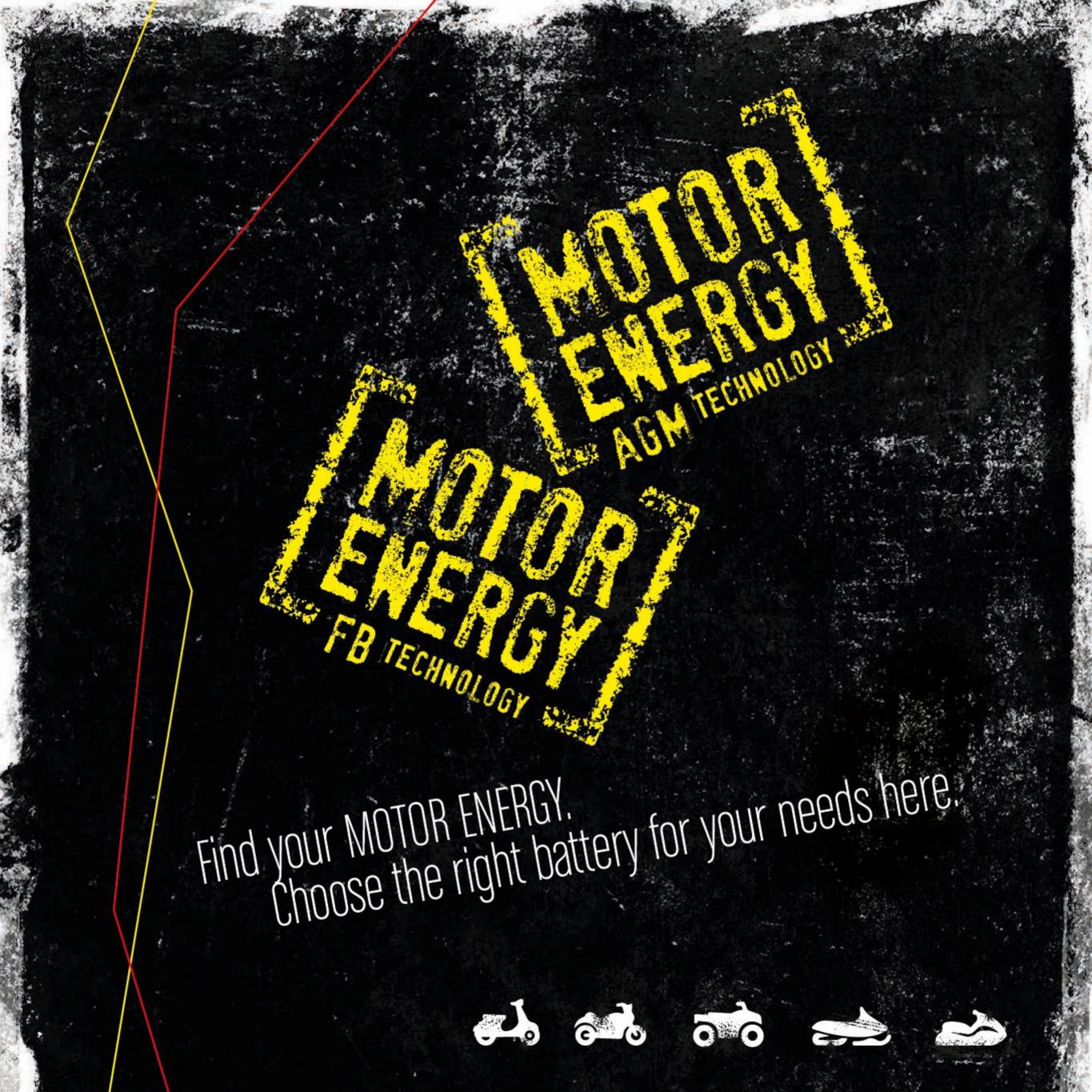
Provide 70-80% of the charge state after initial activation by filling with acid.

SEPARATOR MAT

Made of special material for boosted starting power.

INSTRUCTIONS FOR ACTIVATING, CHARGING AND INSTALLING THE **FLOODED BATTERY**





MOTOR ENERGY starter battery range

AGM (factory activated) Capacity 10h (Ah) Dimensions FIAMM FIAMM Layout code reference LxWxH 7904470 FTZ7S-12B 6 113x70x105 FTZ10S-12B 150x87x93 7904471 8,6

11,2

19*

150x87x110

181x76x167

FTZ14S-12B

FT19-12B

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7904472

7904473



AGM (with pack acid bottle)							
FIAMM code	FIAMM reference	Capacity 10h (Ah)	Dimensions LxWxH	Layout			
7904474	FTR4A-BS	2,3	113x48x85	-			
7904475	FTX4L-BS	3	113x70x85				
7904476	FTX5L-BS	4	113x70x105				
7904477	FTZ7S-BS	6	113x70x105	_			
7904478	FTX7L-BS	6	113x70x130	_			
7904479	FTX7A-BS	6	150x87x93	+			
7904480	FT7-BS	6,5	150X65X93	+ IIII -			
7904481	FT9-BS	8	150x70x105	+			
7904482	FTZ10S-BS	8,6	150x87x93	+			
7904483	FTX9-BS	8	150x87x105	+			
7904485	FT12A-BS	10	150x87x105	+			
7904486	FT12B-BS	10	150x70x130	+			
7904487	FTZ12S-BS	11	150x87x110	+			
7904488	FTX12-BS	10	150x87x130	-			
7904489	FTX14-BS	12	150x87x1 4 5	+			
7904490	FTZ14S-BS	11,2	150x87x110	+			
7904491	FTX16-BS	14	150x87x161	+			
7904492	FBTX20L-BS	18	175x87x155				
7904493	FTX20CH-BS	18	150x87x161	+			

FLOODED 12V (with pack acid bottle)

FIAMM code	FIAMM reference	Capacity 10h (Ah)	Dimensions LxWxH	Layout
7904436	FB4L-B	4	120x70x92	
7904437	12N5-3B	5	120x60x130	+
7904454	12N5.5-3B	5.5	135X60X130	
7904453	FB7B-B	7	150X60X130	+
7904438	FB7L-B	8	135x75x133	
7904439	FB7-A	8	135x75x133	+
7904441	FB9-B	9	135x75x139	+
7904442	12N9-3B	9	135x75x139	
7904443	FB9L-A2	9	135x75x139	
7904444	12N10-3A	10	135x90x145	
7904446	FB10L-B	11	135x90x145	
7904447	FB12A-A	12	134x80x160	_
7904448	FB12AL-A	12	134x80x160	
7904449	FB12A-B	12	134x80x160	+
7904450	FB14L-A2	14	134x89x166	
7904451	FB14-A2	14	134x89x166	+
7904452	FB14L-B2	14	136x91x168	
7904455	FB16B-A	16	160x90x161	-
7904456	FB16AL-A2	16	205x70x162	
7904458	FB16-B	19	175x100x155	+
7904459	FB16CL-B	19	175x100x175	
7904460	F50-N18L-A	20	205x90x162	_ +

FLOODED 12V (Dry)

FIAMM code	FIAMM reference	Capacity 20h (Ah)	Dimensions LxWxH	Layout
7904457	51814	19	186x82x173	
7904461	F60-N24AL-B	24	186x126x170	
7904462	53030	30	186x130x171	+
7904463	53211	32	233x131x167	

FLOODED 6V (with pack acid bottle)

FIAMM code	FIAMM reference	Capacity 10h (Ah)	Dimensions LxWxH	Layout
7904464	6N4-2A-4	4	70x70x95	<u></u>
7904465	6N6-3B	6	98x56x110	- +
7904466	B39-6	7	127x50x123	
7904467	B49-6	10	90x82x160	+
7904468	6N11A-1B	11	120x60x130	-
7904469	B38-6A	13	118x82x160	

TERMINALS

ТҮРЕ	FRONT	SIDE	TOP			BATTERY TYPE		
M02				FB9L-A2	FB16AL-A2			
M04	0			FTX4L-BS FB4L-B FBX16-BS	FTX5L-BS FB16B-A	FTX7L-BS FTX12-BS	FTX7A-BS FTX14-BS	FBTX20L-BS FB7L-B
M05	0			FTX9-BS	FB16CL-B	FTZ7S-BS	FTZ7S-12B	1.8
M06				12N5-3B 12N5.5-3B FB7B-B FB7-A	FB7L-B 12N9-3B 12N10-3A FB12A-A	FB12AL-A FB12A-B FB16-B B38-6A	6N6-3B B39-6 B49-6 6N11A-1B	FB9-B FB10L-B
M07				F50-N18L-A				
M08				FB14L-A2	FB14-A2	FB14L-B2		
M11				FT19-12B	51814	53030	F60- N24AL-B	
M12	0			FT7-BS FTZ12S-BS	FT9-BS FTZ14S-BS	FT12A-BS FTZ10S-BS	FT12B-BS FTZ14S-12B	FTZ10S-BS FTX20CH-BS
14				FTR4A-BS				



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Group

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