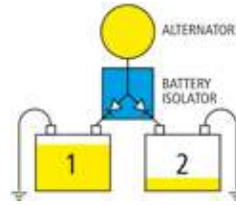


ENERGY BATTERY SEPARATORS AND CONVERTERS

MTM Electronic Battery Separator

Sealed electronics and casing high quality battery isolators. Automatic charging selection for the emptiest battery. The battery isolator prevents the discharge of the most charged battery, sustaining the lower charged one.

Cod.	Current A	V	Input	Output (Batteries)	Dim mm	UM	€
2014001	70	12/24	1	Up to 2	115 x 83 x 79	PCS	
2014003	70	12/24	1	Up to 3	115 x 83 x 79	PCS	
2014007	120	12/24	1	Up to 3	115 x 166 x 79	PCS	
2014009	160	12/24	1	Up to 3	115 x 166 x 79	PCS	



MTM VSR S Sensitive Battery Separator

MTM VSR Compact battery separator allows to manage simultaneously the charge of two batteries with only one alternator. At engine start, the separator manages the recharge of the main battery, then, once the main battery is charged, the separator switches to charge both batteries in parallel. At engine stop, when both battery's voltage drops below 12.8V, it disengages in order to avoid battery discharge.

Cod.	Current A	V	Input	Output (Batteries)	Dim mm	UM	€
2014201	140	12	1	Up to 2	69 x 69 x 50	PCS	
2014202	140	24	1	Up to 2	69 x 69 x 50	PCS	



MTM BS Battery Separators

BS Relay Battery Separator allows multiple batteries to be charged from one alternator. Prioritized charging: it waits till the main battery reaches 13.2V before starting with the remaining batteries. When the engine starts it allows to use both the batteries in parallel. When batteries are not being charged, it separates and isolates the batteries.

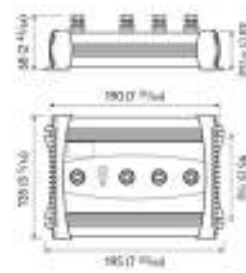
Cod.	Current A	V	Input	Output (Batteries)	Dim mm	UM	€
2013915	100	12	1	Up to 2	64 x 83 x 76	PCS	
2013916	200	12	1	Up to 2	93 x 76 x 93	PCS	



Quick ECS Mosfet Battery Separators

The Quick ECS charge separators are endowed with Mosfet technology, which allows splitting the charge without causing dangerous voltage drops. They allow to increase the number of possible battery connections, safeguarding the charge of each one individually, as usually occurs with multiple-output battery chargers. Advantages: - negligible loss of voltage - input voltage from 5 to 31 V - low power dissipation - wide operating temperature range- compatibility with any type of generator

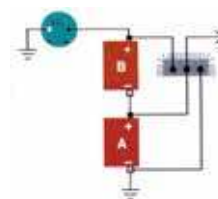
Cod.	Alternator Current A	Battery Charger Current A	V	Input	Output (Batteries)	UM	€
2014902	160	120	12/24	1	Up to 2	PCS	
2014903	160	120	12/24	1	Up to 3	PCS	



Quick Switching Voltage Reducer

From 24V to 12V voltage reducers with galvanic isolation between input and output. Short circuits, output overvoltage and reverse polarity protection.

Cod.	Type	A	Input V	Output V	Dim mm	UM	€
2015010	VRS10	10	24	12	172 x 60 x 25	PCS	
2015015	VRS16	16	24	12	172 x 90 x 25	PCS	
2015025	VRS23	23	24	12	200 x 100 x 35	PCS	
2015030	VRS30	30	24	12	189 x 254 x 68	PCS	



WIPERS HORNS/ENERGY ELECTRICAL/NAVIGATION LIGHTS 5