

**Note: All values larger than one byte are sent with Motorola (big endian) format**

In twin-engine operation, the left-hand motor will have the message IDs as per the table, while the right-hand one will have the IDs added to 0x008

INVERTER/MOTORE ELETTRICO									
Name	Message	Tx Type	Startbit	Length [Bit]	Value Type	Factor	Offset	Unit	Comment
Motor speed	0x7F0	Periodic 100ms	0	16	Unsigned	1	0	RPM	
SOC	0x7F0	Periodic 100ms	16	16	Unsigned	1	0	%	
Map In Use	0x7F0	Periodic 100ms	32	16	Unsigned	1	0	n	
Fault Overvoltage	0x7F0	Periodic 100ms	48	1	Unsigned	1	0	bit	
Fault Overcurrent	0x7F0	Periodic 100ms	49	1	Unsigned	1	0	bit	
Fault Undervoltage	0x7F0	Periodic 100ms	50	1	Unsigned	1	0	bit	
Fault Short Circuit Power Stage	0x7F0	Periodic 100ms	51	1	Unsigned	1	0	bit	
Fault Rotor Initial Position Error	0x7F0	Periodic 100ms	52	1	Unsigned	1	0	bit	
Fault HE Disconnected	0x7F0	Periodic 100ms	53	1	Unsigned	1	0	bit	
Fault HE Wrong Sequence	0x7F0	Periodic 100ms	54	1	Unsigned	1	0	bit	
Fault Aux Contactor	0x7F0	Periodic 100ms	55	1	Unsigned	1	0	bit	
Fault Inverter Overtemperature	0x7F0	Periodic 100ms	56	1	Unsigned	1	0	bit	
Fault IxT Power Protection	0x7F0	Periodic 100ms	57	1	Unsigned	1	0	bit	
Fault Motor Overtemperature	0x7F0	Periodic 100ms	58	1	Unsigned	1	0	bit	
Fault I2T Motor Protection	0x7F0	Periodic 100ms	59	1	Unsigned	1	0	bit	
Fault Emergency Input	0x7F0	Periodic 100ms	60	1	Unsigned	1	0	bit	
Fault Throttle Pot Disconnected	0x7F0	Periodic 100ms	61	1	Unsigned	1	0	bit	
Fault Brake Pot Disconnected	0x7F0	Periodic 100ms	62	1	Unsigned	1	0	bit	
Fault Clutch Pot Disconnected	0x7F0	Periodic 100ms	63	1	Unsigned	1	0	bit	
Motor temperature	0x7F1	Periodic 100ms	0	16	Signed	0,1	0	°C	
Inverter temperature	0x7F1	Periodic 100ms	16	16	Signed	0,1	0	°C	
Motor power	0x7F1	Periodic 100ms	32	16	Signed	0,1	0	KVA	
Fault PTC Power U Defect	0x7F1	Periodic 100ms	48	1	Unsigned	1	0	bit	
Fault PTC Power V Defect	0x7F1	Periodic 100ms	49	1	Unsigned	1	0	bit	
Fault PTC Power W Defect	0x7F1	Periodic 100ms	50	1	Unsigned	1	0	bit	
Fault Contactor	0x7F1	Periodic 100ms	51	1	Unsigned	1	0	bit	
Fault CTR CAN Link	0x7F1	Periodic 100ms	52	1	Unsigned	1	0	bit	
Fault reserved for future use	0x7F1	Periodic 100ms	53	8	Unsigned	1	0	bit	
Fault Wrong Configuration	0x7F1	Periodic 100ms	61	1	Unsigned	1	0	bit	
Fault CANA Defect	0x7F1	Periodic 100ms	62	1	Unsigned	1	0	bit	
Fault CANB Defect	0x7F1	Periodic 100ms	63	1	Unsigned	1	0	bit	
TPS	0x7F2	Periodic 100ms	0	8	Unsigned	1	0	%	
Total brake force	0x7F2	Periodic 100ms	8	8	Signed	1	0	%	Total brake force = Engine brake + brake signal
Motor current	0x7F2	Periodic 100ms	16	16	Signed	1	0	A	
DcBus voltage	0x7F2	Periodic 100ms	32	16	Signed	1	0	V	
Output voltage	0x7F2	Periodic 100ms	48	16	Signed	1	0	V	
BMS max discharge current	0x7F3	Periodic 100ms	0	16	Signed	1	0	A	
BMS max regeneration current	0x7F3	Periodic 100ms	16	16	Signed	1	0	A	
Battery power	0x7F3	Periodic 100ms	32	16	Signed	0,1	0	KW	
Battery current	0x7F3	Periodic 100ms	48	16	Signed	1	0	A	
Battery time to empty	0x7F4	Periodic 100ms	0	16	Unsigned	1	0	min.	
Engine brake	0x7F4	Periodic 100ms	16	8	Signed	1	0	%	
Brake signal	0x7F4	Periodic 100ms	24	8	Signed	1	0	%	Brake request from user
Clutch signal	0x7F4	Periodic 100ms	32	8	Signed	1	0	%	
BMS temperature	0x7F4	Periodic 100ms	40	8	Signed	1	0	°C	
Warning power-up sequence	0x7F4	Periodic 100ms	48	1	Unsigned	1	0	bit	
Warning Inverter Overtemperature	0x7F4	Periodic 100ms	49	1	Unsigned	1	0	bit	
Warning Motor Overtemperature	0x7F4	Periodic 100ms	50	1	Unsigned	1	0	bit	
Warning motor temperature sensor ko	0x7F4	Periodic 100ms	51	1	Unsigned	1	0	bit	
Warning I2T Motor Protection	0x7F4	Periodic 100ms	52	1	Unsigned	1	0	bit	
Warning low battery SOC	0x7F4	Periodic 100ms	53	1	Unsigned	1	0	bit	
Warning overvoltage	0x7F4	Periodic 100ms	54	1	Unsigned	1	0	bit	
Warning Throttle not 0	0x7F4	Periodic 100ms	55	1	Unsigned	1	0	bit	
Warning reserved for future use	0x7F4	Periodic 100ms	56	4	Unsigned	1	0	bit	
Warning BMS CAN Link	0x7F4	Periodic 100ms	60	1	Unsigned	1	0	bit	
Warning reserved for future use	0x7F4	Periodic 100ms	61	3	Unsigned	1	0	bit	