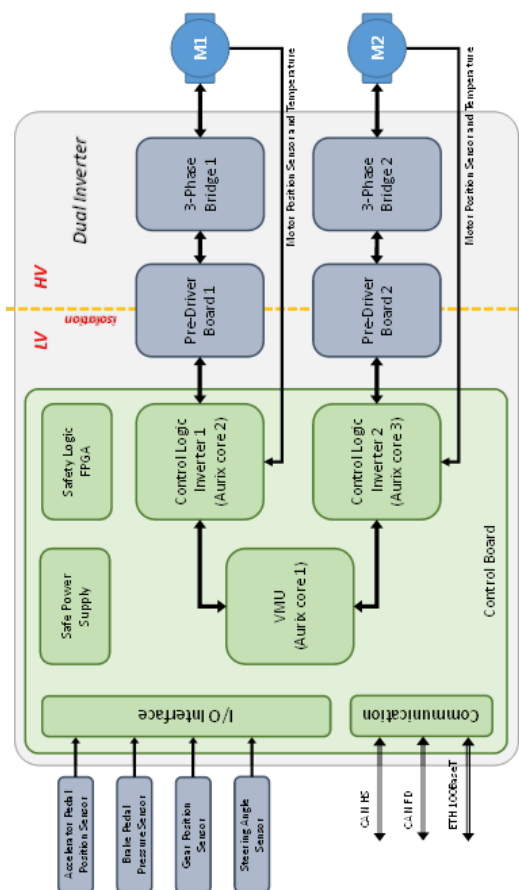


## DDMO48V500A1



- Dual 3-phase 48V motor controller for electric vehicles (L6e - EV) with 2 electric motors
- 2x12/2x26 kVA output power (cont./peak)
- 2x230/2x500A rms (cont./peak)
- 48V nominal voltage
- Control of multiple motor types incl. PMSM, TFM, AFM motors
- FOC with field weakening support
- Integration of control logic, gate drivers and power modules in a single unit
- Full HW and SW integration of vehicle management functions (VMU) incl. gyro, acceleration sensors, brake, throttle, steering angle, drive mode etc. inputs
- Designed according to ISO26262. Supports up to ASIL-D level through advanced safe power supply, lockstep and watchdog architecture
- Comprehensive diagnostic and safety functions
- Comprehensive connectivity via 2 CAN and one 100-BaseT Ethernet interface
- IP69, 4kg, volume 3.5l, dimensions (L/W/H): 277x207x67mm
- Product status: Prototypes manufactured upon demand

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