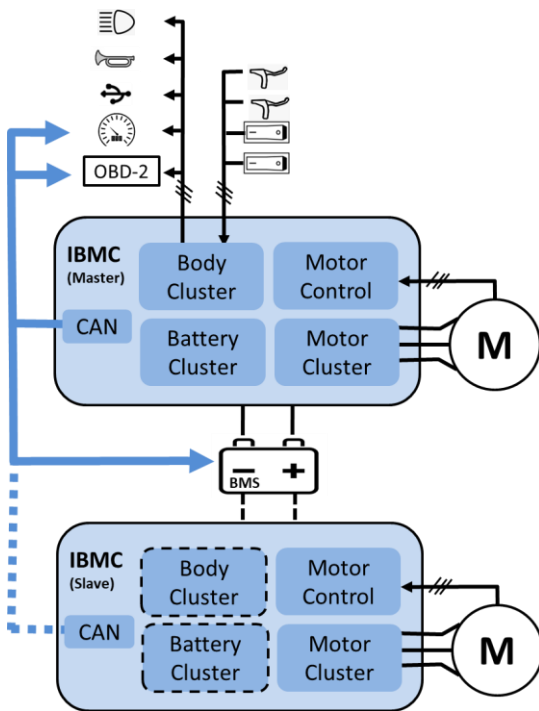


## IBMC 48V600A1



- Unique, 48V based system solution for light electric vehicles incl. E-mopeds, E-motorbikes, E-vehicles (L3e-L6e)
- Control of multiple motor types incl. PMSM, TFM and BLDC.
- 48V, 600A rms peak (10sec), 33kVA peak power
- Field Oriented Control (FOC) or "Direct Flux Vector Control" (DFVC) with "Full Field Weakening" and "Regenerative Braking"
- Up to 98% efficiency
- Easy motor adaptation and optimization with full motor mapping support (e.g. MTPA, MTPS)
- 3 drive modes, quick customization available
- Master/slaves configuration for multiple motors
- Integrated body controller with outputs for lights, horn, etc. (12V, 5V) and inputs for switches, brake, sensors, etc.
- Onboard diagnostic functionality integrated (OBD-2)
- System protection and safety functions
- Communication with BMS for range estimation and battery supervision
- IP67, Weight: 1.100g, dimensions(LxWxH): 250x115x44mm
- Product status: Prototypes

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