



DRIVE UNIT

In addition to our intelligent motor control, which is also available separately and can be used with other motors, we offer complete drive units. In this case our motor control is installed directly on the motor. Together they form a perfectly matched unit for the best possible driving experience.

PROJECT ACCELERATOR

The Emerge drive unit is a powerful unit consisting of a Motenergy motor and an Emerge 6000 motor controller with a mechanical peak power of over 6.2kW. The two components are perfectly matching each other and, with a continuous output of 5kW, provide a drive unit for exciting applications.

The drive unit can be controlled either via accelerator pedal and brake or via CAN bus. Four different driving profiles and performance classes can be selected via Bluetooth for a maximum driving experience. With the optional developer license, the drive unit can be specifically adapted to the application and customer requirements.

OVERVIEW

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| Applications | Electric scooter, go cart, golf cart, pumps, fans |
| Input power (el) | 9kW (12PS) @ 48V |
| Output power (mech) | 6.3kW (8.5PS) |
| Torque | 26Nm |
| Efficiency | 83% @ 3500/min, 4.75kW Out, 13Nm |
| Speed | 5000/min |
| Recuperation | Yes |
| Reverse gear | Yes |
| CAN-Bus | Yes |
| Bluetooth | Yes |
| Diagnostic interface | USB, CAN |
| Weight | 10.9kg |
| Diameter | 201mm |
| Length | 146.5mm (Motor) 52.0mm (Controller) |
| Shaft diameter | 24mm |

VIEWS

