



Vehicles



Marine



Hybrid



Robotics



Traction



Industrial



SIGMADRIVE MOTOR CONTROLLERS

Overview

Sigmadrive motor controllers are designed for use in a wide range of electric vehicle applications. Available for DC or AC motors in two voltage ranges (24-48V or 72-80V) with continuous currents of up to 260A.

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Key Features

- High continuous current rating: up to 260A
- Peak current rating up to 650A
- Field programmable using the Hand-Held Programmer
- Rugged dust and spray resistant design
- Low profile
- Exceptional thermal performance
- Available for most DC and AC motors
- Multiple controllers can be linked using CANbus
- Status can be displayed using Sigmagauge LCD display
- Regenerative braking



DC Sigmadrive Models

Model	Battery Voltage	2 Min Rating	1 Hour Rating	Frame Size
Traction				
PMT835M	72-80V	350A	120A	Medium
PMT465L	24-48V	650A	260A	Large
PMT425M	24-48V	450A	180A	Medium
PMT425S	24-48V	250A	80A	Small
Electric Power Assist				
	72-80V	175A	60A	Small
	24-48V	250A	80A	Small

Accessories



Sigma HandHeld Programmer

A portable motor controller programmer with real-time system feedback which can be used to reprogram the controllers in the field using units such as Volts, Amps and Seconds.



Sigmagauge LCD

A highly versatile and configurable vehicle display which receives information via CANbus and displays it on the backlit dot-matrix display.

Sigmadrive Dimensions

	Small	Medium	Large
Length (mm)	177	225	320
Width (mm)	155	200	200
Height (mm)	18	56	56

AC Sigmadrive Models

There are three AC Sigmadrive Models:

- Sigmadrive AC
- Sigmadrive SEM
- Sigmadrive PM

These can be split into three more types depending on the model: • Traction • Pump • Dual Pump and Power Steer