



LMC

GENERATING
MOVEMENT
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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



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 the Sigmagauge LCD vehicle 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
PMT445M	24-48V	450A	180A	Medium
PMT425S	24-48V	250A	80A	Small
Electric Power Assist				
PME817S	72-80V	175A	60A	Small
PME425S	24-48V	250A	80A	Small

Sigmadrive Dimensions

	Sigma Frame Size		
	Small	Medium	Large
Length (mm)	177	225	320
Width (mm)	155	200	200
Height (mm)	38	56	56



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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

For more information about these please look at our website or e-mail us.

Sigmadrive Accessories

There are two useful Sigmadrive accessories which LMC can also supply.

Sigma Hand-Held 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.

For more information about these please e-mail us.



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