

## 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
<b>Traction</b>				
PMT835M	72-80V	350A	120A	Medium
PMT465L	24-48V	650A	260A	Large
PMT445M	24-48V	450A	180A	Medium
PMT425S	24-48V	250A	80A	Small
<b>Electric Power Assist</b>				
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
Weight (kg)	1.2	4.1	6.1



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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](http://www.lmc.com) or [e-mail us](mailto:info@lmc.com).

**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.*

**Sigmagaugage 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](mailto:info@lmc.com).



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