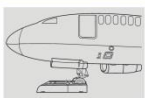


## IPM - PMS - AC Controllers



**QUALITY FOCUSED  
CUSTOM SYSTEM SOLUTIONS  
EFFICIENT OPERATION**





**IPM - PMS - AC  
Controllers**



## SuperSigma2 Controllers for AC - PMS - IPM

- Nominal voltage: 24/48V or 60/96V – 120V optional
- Maximum current: 140Arms - 600Arms for 2 minutes
- Auto tuning (AC) & auto motor sensor setup
- Protection rating: IP65, AMP SEAL Connector
- CAN Open compatible / Isolated CAN optional
- Parameter setup via PC or hand held calibrator
- Motor sensor inputs: Hall-, absolute position- and Incremental.
- Customer specific hard- and software development on request

Model	Size 1 (S)	Size 2 (M)	Size 3 (M+)	Size 4 (L)
24/48V	250Arms	450Arms	600Arms	-
60/96V	140Arms	270Arms	450Arms	600Arms
Size (mm)	160x200x72	200x200x72	250x200x72	320x200x72

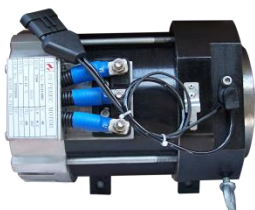


## Sigmadrive Controllers - all motor variants

- Asynchronous (AC): 24/96V, 120-460Arms
- PM-Synchronous (PMS): 24/96V, 120-460Arms
- Permanent Magnet: 24/80V (96V\*), 250-650A
- Series: 24/80V, 250-650A
- Separately excited: 24/80V, 250-650A
- Parameter setup via PC or hand held calibrator
- \*Customer specific hard- and software development on request



**New**



## AC Traction and Pump Motors

- Asynchronous traction motors: 24/96V, up to 30kW
- Asynchronous pump motors: 24/96V, up to 30kW
- Housing industry standard or customer specific
- Air cooled
- Integrated speed and direction sensor
- Thermal sensor
- Magnet brake optional
- Mounting and shaft interfaces at customer specification
- Rated speed up to 5000 rpm

As manufacturer of controllers and components for battery driven vehicles and machines we have a suitable solution for you and also assist with technical support.



## C3 AC & i-Drive PM Controllers

C3 is specially designed for walkies - all functions are integrated.

- Nominal voltage: 24V
- Maximum current: 200 and 250Arms
- Auto commissioning system to adapt to all AC motors
- The C3 pump variant has an integrated 330A DC pump controller

I-Drive is a 4Q controller specially designed for Permanent Magnet motors.

- Nominal voltage: 24V or 36V
- Maximum current: 45A, 70A, 90A, 140A and 180A



## iGauge Display

- Failure indication, BDI, hours counter
- Industry standard 52mm
- Compatible with Sigmadrive, SuperSigma2 and C3 controllers
- Serial communication, RS232



## Calibrator & Advanced Display

### Calibrator

- Integrated RS232 Flash Interface to support firmware updates
- PC Interface via USB Connection

### Display

- Failure indication, BDI, hours counter
- Speed indication and service interval timer
- Compatible with Sigmadrive and SuperSigma2 controllers
- CAN communication



## Accelerators

- Complete pedals, wear-free, electronic controlled
- Different models available to suit your application
- Compatible with all DMC controllers
- Spare parts for other brands



## Hand Controllers

- Ergonomic and robust, freely assignable function keys
- Various versions available
- Other models on request



## Compact - DC-DC Converters

Compact, vibration and water proof, galvanic isolated.

Input range	Output	Power	Size
29V - 60V	13.8V	300 Watt	115 x 72 x 49.0mm
50V - 100V	26.0V	450 Watt	120 x 72 x 57.5mm
62V - 142V		900 Watt	147 x 90 x 58.5mm



## Contactors and Repair kits

Designed to be used as line- hydraulic- direction- and brake power switch

- Coil voltage: 12-96V
- Switching current: up to 2500A
- Continuous current: up to 600A



## HF Chargers

- Complete range: All typical power variants available
- Modern, compact high frequency chargers
- Suitable for lead acid, Gel and AGM batteries
- Multiple charging curves, as for example IWou and IWOP



## Blue line & MGX WA Chargers

- Complete range: All typical power variants available
- All Models are transformer based
- Suitable for lead acid batteries
- Charging curve: WA



## Power cable / Welding cable

- Highly flexible Radaflex cable
- Delivered in rolls of 25 or 50 meter
- Diameter from 16mm<sup>2</sup> to 70mm<sup>2</sup>

For more information, please visit our website at [www.dmcde.de](http://www.dmcde.de)  
Or contact our sales department directly at: +49 2366 / 1007-40