

PG DRIVES TECHNOLOGY

Driving Innovations for a Better Quality of Life

i-Drive Motor Controller

- 45A, 70A, 140A and 180A power ratings
- 24V or 36V system voltages
- Extremely compact with a very small footprint
- Advanced drive algorithm
- 3 programmable auxiliary outputs
- Battery lockout function
- Environmentally sealed
- Powerful on-board diagnostics & trip log
- Low input impedance



Trio+HD Floorcare Machine Control System

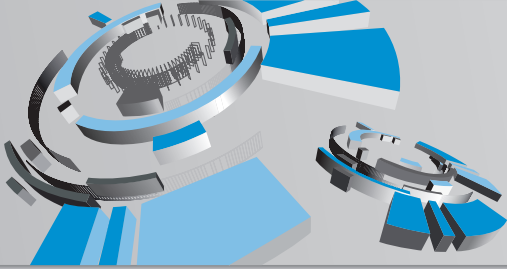
- 150A Traction output
- 100A Brush output
- 50A Vacuum output
- Brush deck position control
- Auto Squeegee control
- Solution pump and valve control
- M6 bolt connector system
- Battery management
- Comprehensive diagnostics
- Optional LCD display
- UL approval option



Access - Aerial Work Platform Control System

- 150A hydraulic pump motor output
- Dual 100A traction motor outputs
- Proportional lift/lower control of platform
- Large, easy-to-read backlit LCD screen
- Multi-lingual, on-board programming
- Internal tilt sensor
- Alarm, beacon and horn outputs





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Sigmadrive - Advanced Design and Functionality



- 7 off low impedance digital inputs
- 3 off high resolution analogue inputs
- 3 off protected contactor drivers (2 off on small frame versions)
- In-built coil suppression
- Short circuit and open circuit contactor detect
- Thermal current limit compensation
- Throttle mapping
- Electromagnetic brake control
- Emergency reverse / Belly button
- Programmable creep speed
- Inching facility
- Power steer timer
- Regenerative and plug braking
- Braking proportional to accelerator position
- Braking in neutral
- Brake pedal analogue input mode
- Under and over-voltage protection
- Throttle wire-off detection
- 3 traction cutback speeds
- Easy dual traction control via 2 controllers
- 6 Pump speeds with additive, priority and compensation
- Pump inhibit input
- Independent power steer speed and compensation
- +12V output pin
- Multiple hardware and software failsafe systems and watchdog
- Power On and Trip diagnostic LED indicators

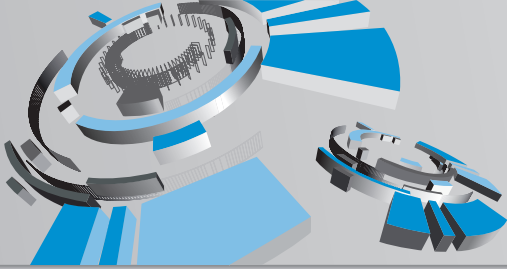


C3 - Compact and Cost-Effective AC Controller



- Suitable for walkie and ride-on vehicles
- 200Arms and 250Arms power options
- Compatible with all AC induction motors
- Auto-commission for efficient motor matching
- Motor thermistor input
- Switched or proportional hydraulic control
- Five protected 2A outputs
- Intelligent Hill-Hold function
- Lift Contactor drive
- Software interlocking of drive and hydraulics
- Sophisticated low battery management
- Integrated service timers
- Handheld or PC programming options
- Electronics protected to IP65
- Designed to meet EN1175, EN12895 and UL583 requirements





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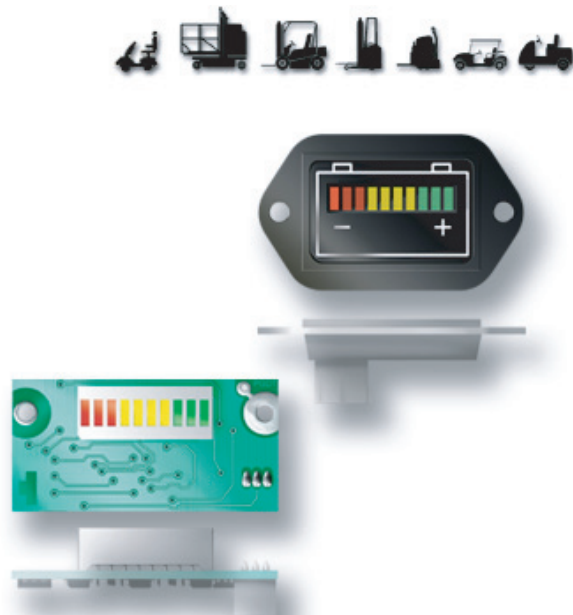
iGauge

- Fits 52mm diameter cut out
- Large backlit LCD display
- Additional high intensity red LED for fault indication
- Battery status information
- Charging status display
- Hour counters and service timers
- Diagnostic code display
- All data received serially from the Controller



TruCharge

- Fits industry standard cut-out
- High intensity LED display
- Battery status information
- Charging indication
- Diagnostic code display



Compatible with S-drive, i-Drive, C3 and Trio+