

# MULTILEVEL 55 HIGH SPEED INVERTER

**CONTROL MOTORS AND GENERATORS  
UP TO 150,000 RPM**

## Speed safely under control – lower system costs

Thanks to drivetek's multilevel technology, motor and generator speeds up to 150,000 rpm can be safely kept under control. The control technique and high PWM frequencies reached, result in considerably lower rotor losses in the electrical machine. Consequently leading to a significant reduction in system costs.

## Key features

- DC supply voltage up to 849 V<sub>DC</sub>
- Nominal phase current 55 A<sub>RMS</sub>
- Stator frequency up to 2,500 Hz
- PWM switching frequency up to 40 kHz
- CAN interface
- Sensorless speed control
- Liquid cooled, inlet temperature < 70° C (under full load conditions)
- IP67 enclosure

## Applications

- Turbo compressors for Fuel Cell Air Supply
- Electric turbochargers

Circuit 3 – Level Inverter

