

# IRACB201

## Accelerator Bundled System with Source Code Accelerator™ System Manual

### Features

- Complete bundled system including design platform and source and object code (IRACS201, IRACO201 and IRACV201)
- Hardware torque control by Verilog code
- 230V/1.5kW output power with 600V/30A IGBTs
- Design Platform with configurable signal processing
- IR2137 and IR2171/IR2175 high voltage ICs for gate drive and current sense
- ServoDesigner™ graphical user interface for configuration, control and monitoring

### Product Summary

Current loop bandwidth (-3dB)	5kHz
Speed loop bandwidth (adjustable)	400Hz max
PWM carrier frequency	40kHz max
FOC(Field Orientation Control) execution time	1.5usec
Continuous output current	8Arms
Overload output current	22Arms

### Description

IRACB201 is the bundled system for high performance servo drive development system. It contains the design platform, complete source code and the ServoDesigner application to assist with FPGA development. The design platform is based on advanced IR's high voltage IC power management component and can deliver continuous 1.5kW output. Complete Verilog library for accurate simulation up to 1.5kW.



### ServoDesigner™

