



## **Powerex Product Development Kits: BG1A-KA**

Powerex launched its Product Development Kit program to help customers speed up their IGBT gate drive designs. The kits include samples of Powerex hybrid gate drivers, dc-dc converters, a prototype PC board, along with technical literature recommending all parts to complete the gate drive circuit.

To kick off this program, Powerex is offering four kits containing its BG1A Universal High Power IGBT Module Gate Driver Board and its BG2B Universal Dual IGBT Module Gate Driver Board, each available for compatibility with Powerex F-Series or KA-Series IGBT modules.

**Product Development Kit BG2B-F shown above.**

**BG1A** is a fully isolated gate drive circuit board designed for use with high current single IGBT modules. When the board is populated, gate drive is supplied by a M57962L or M57160AL hybrid gate driver with complimentary emitter follower power booster to provide efficient switching of modules rated up to 1200A. The hybrid gate drivers also provide protection against unexpected short circuit conditions. Isolated control power for the driver is supplied by an onboard M57145L regulated DC/DC converter. The fault feedback signal is also optically isolated.

**Powerex** - a joint venture of Mitsubishi Electric and General Electric - is a pioneer in high power semiconductor applications, specializing in turning ideas into cost effective, practical products.

The **BG1A-KA kits** are available from stock at \$42.50 per kit. To order a kit, please call **1-800-451-1415**.

### **BG1A-KA Single KA-Series KIT Contents**

- 1 – M57145L-01**
- 1 – M57962L**
- 1 – BG1A bare PCB**
- 1 – PCB Component List**