

# Gain Semiconductor Ltd.

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Gain Semiconductor is a Motor Drive Technology Fabless Semiconductor Company. We have proven that you can fundamentally change the dynamics of power consumption in all electric powered motors, resulting in gains of up to 75%. Our **Patented** technology has created a new canvas from which we can deliver a better and greener environment for our future.

Our first product the GS1615 offers the following features:

- a. Applicable to all 6 wire 3 phase motors
- b. 5 modes of operation, including 3 single chip modes
- c. Motor startup and speed parameters are user programmable
- d. Dynamic output power monitoring control
- e. Programmable acceleration and deceleration speed profile with programmable instantaneous power control
- f. BLDC stationary rotor position detects motor to achieve non-reversing and non-jerk for smooth motor startup
- g. Over temperature and over current control with fault pin
- h. Minimum programming effort for various applications
- i. Low noise operation

Typical Applications:

- a. BLDC and AC Motors
- b. White Goods
- c. USB powered fans
- d. Ceiling fans, commercial and industrial
- e. AC units, commercial and industrial
- f. Pump and generators
- g. Vacuum and powered cleaners
- h. Battery operated devices: drones, toys, etc.
- i. Automotive Control: window, wiper, AC, etc.



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