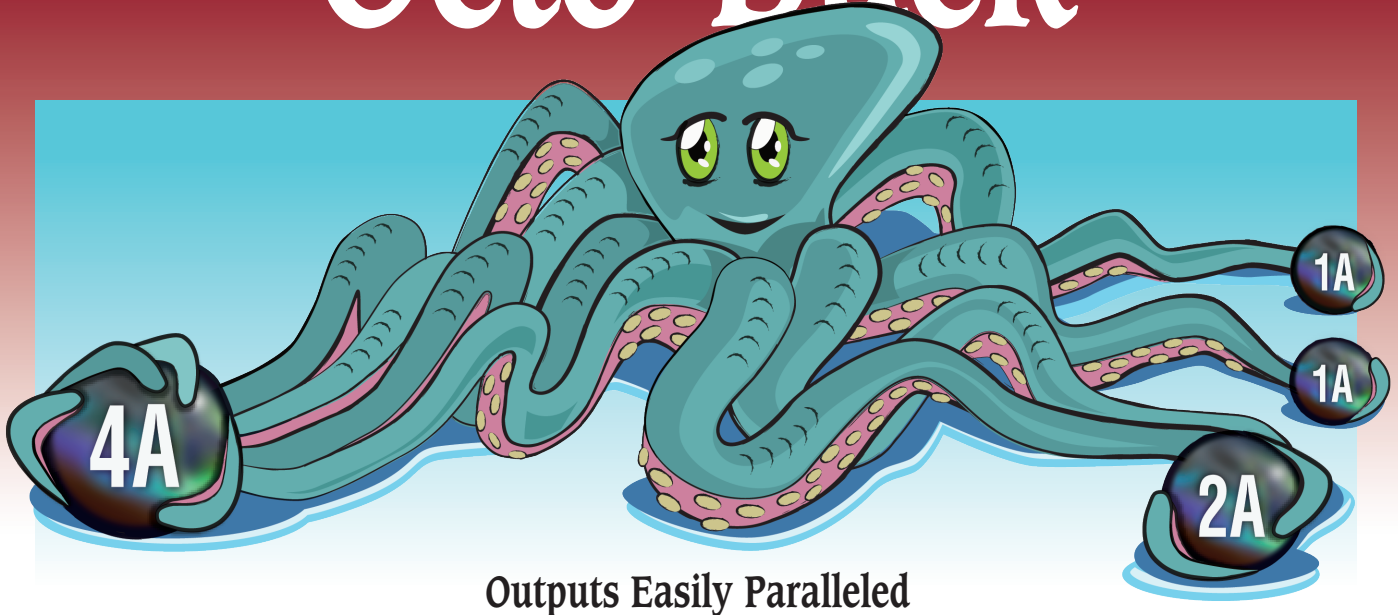
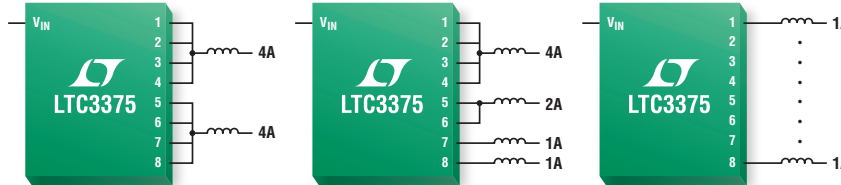


# Octo-Buck



Outputs Easily Paralleled

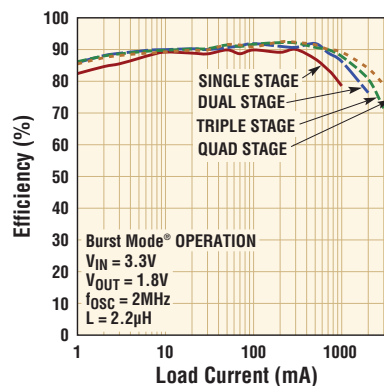


The LTC<sup>®</sup>3375 delivers a new level of design flexibility with its multiconfigurably 8-channel outputs. Up to four channels can be tied together for up to 4A of output current with a single inductor. 15 unique output rail combinations are possible, enabling late-stage power level adjustments. Each synchronous DC/DC converter can be powered and controlled independently. An on-chip die temperature sensor provides real-time thermal data for safe operation. Pushbutton control, power-on reset, watchdog timer and an I<sup>2</sup>C serial port provide flexible control and high reliability.

## Features

- 8 Independent Synchronous Bucks
- Master-slave Configurable for up to 4A Output/Rail with 1 Inductor
- 15 Power Stage Configurations
- Independent V<sub>IN</sub> Supplies for Each Converter
- Precision Enable Pin Thresholds for Autonomous Sequencing (or I<sup>2</sup>C Control)
- On-Chip Die Temp Monitor
- QFN-48 Package (7mm x 7mm x 0.75mm)

## Buck Efficiency vs Load



## Info & Free Samples

[www.linear.com/product/LTC3375](http://www.linear.com/product/LTC3375)

1-800-4-LINEAR



[www.linear.com/product/LTC3375](http://www.linear.com/product/LTC3375)

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