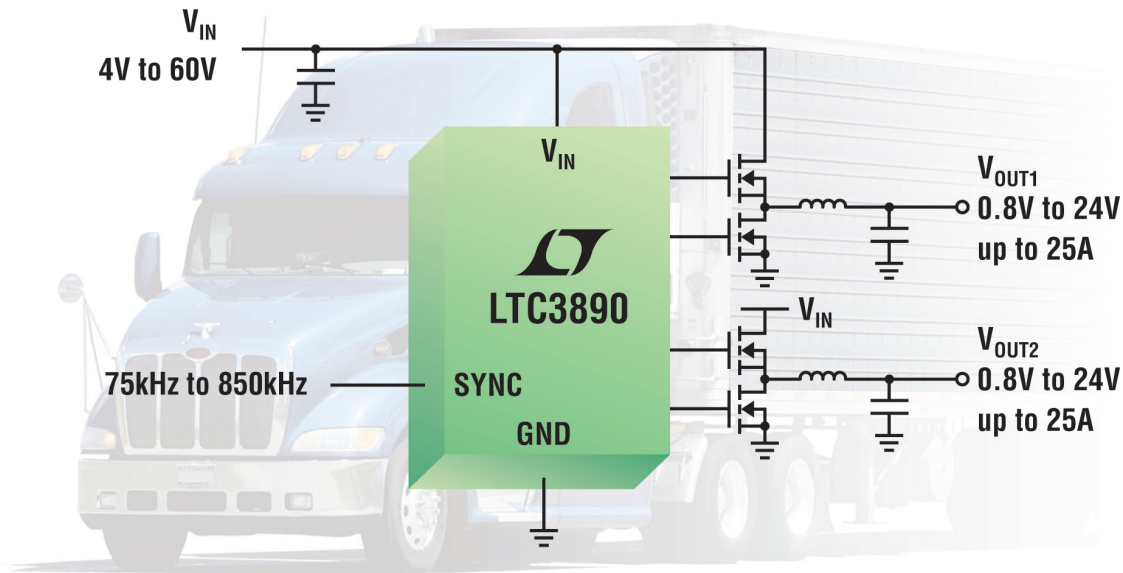


All the Highs & a Low



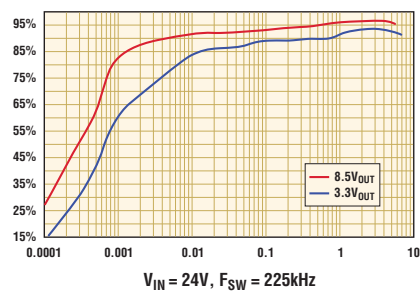
$60V_{IN}$, $24V_{OUT}$, $25A/Channel$, $850kHz$ & $I_Q = 50\mu A$

A new generation of dual synchronous, micropower step-down controller, the LTC[®]3890 offers performance and feature advantages for a broad range of power conversion applications. The 4V to 60V input capability covers a wide range of input sources and battery chemistries, protecting against high voltage transients so surge suppression circuits are not required. Minimum on-time of 95ns enables high step-down ratios. Its powerful 1.1 Ω onboard N-channel MOSFET drivers can deliver up to 25A of continuous output current per channel.

Features

- Input Voltage Range: 4V to 60V
- Dual Output Voltages: Up to 24V
- Up to 25A Output per Channel
- 95% Efficient
- Low Quiescent Current: 50 μA
- Multiphase Capable for Higher Output Current & Low Input Ripple
- High Step-Down Ratios
- R_{SENSE} or Inductor DCR Sensing
- Single Output Version: LTC3891

Efficiency vs Output Current (A)



Info & Free Samples

www.linear.com/3890

1-800-4-LINEAR



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