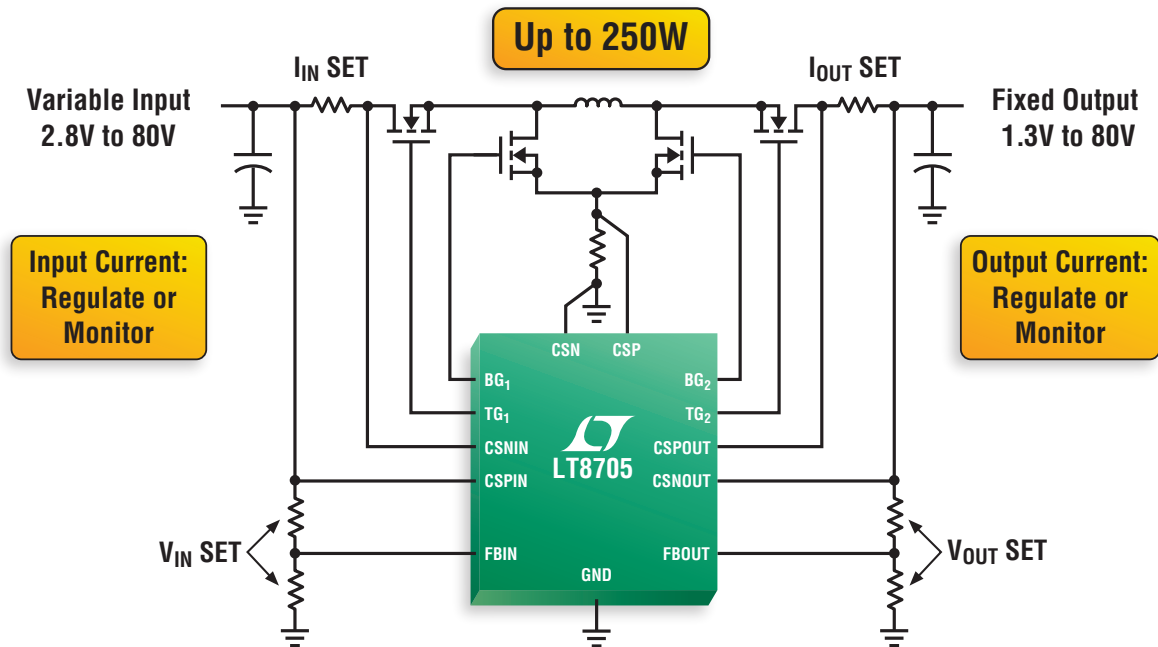


80V Sync Buck-Boost



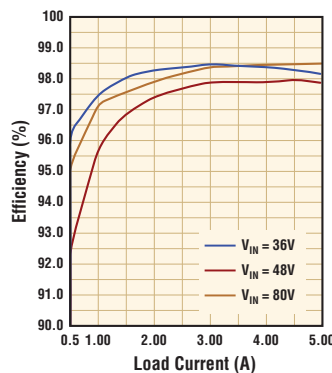
Four Regulation Loops (V_{OUT} , I_{OUT} , V_{IN} and I_{IN})

The LT[®]8705 is the latest in our growing family of single inductor buck-boost controllers. This wide input voltage range, high power controller is capable of delivering efficiencies up to 98.5% for a 48V, 5A output from an input voltage range of 2.8V to 80V. Using a single inductor and 4 external MOSFETs, the LT8705 can deliver output power up to 250W. Input or output voltage or current, any of these can be regulated with the devices' 4 control loops. Its input regulation loop is ideal for high impedance sources such as solar panels.

▼ Features

- Single Inductor
- Very High Efficiency
- V_{IN} Range: 2.8V to 80V
- V_{OUT} Range: 1.3V to 80V
- V_{OUT} , I_{OUT} , V_{IN} , I_{IN} Feedback Loops
- Current Monitors
- Synchronous Rectification
- Quad N-Channel MOSFET Gate Drivers
- Solar-Powered Battery Charger Capable

36V to 80V Input; 48V, 5A Output



▼ Info & Free Samples

www.linear.com/product/LT8705

1-800-4-LINEAR



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