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
- VIN Range: 2.8V to 80V
- VOUT Range: 1.3V to 80V
- VOUT, IOUT, VIN, IIN Feedback Loops
- Current Monitors
- Synchronous Rectification
- Quad N-Channel MOSFET Gate Drivers
- Solar-Powered Battery Charger Capable

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Info & Free Samples

www.linear.com/product/LT8705
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