Step-Down DC/DC Converters and Controllers
Quick Reference Card

In this Quick Reference Card you will find TI’s most popular DC/DC Converters and Controllers for a wide range of applications. To discover the complete DC/DC conversion portfolio, please visit power.ti.com

Step-Down DC/DC Converters
TI’s Step-Down DC/DC Converters with integrated power MOSFETs offer a highly integrated and power-efficient way to translate an input voltage to a lower output voltage. The TPS62k series, with small packaging and light load enhancement mode, is optimized for low-power and battery-operated applications. The TPS54k SWIFT™ series is made for power-demanding applications, such as industrial and embedded computing, where high output current and wide input voltage ranges are key requirements.

What are the benefits?
- Pb-free and green components
- Wide input voltage ranges: TPS5420/30 with $V_{\text{IN}}$ up to 36V and TPS62110 with $V_{\text{IN}}$ up to 17V
- Highest efficiency: TPS63000 buck-boost converter
- Highly integrated solutions: TPS65020/21 with 3 converters and 3 LDOs
- Smaller external components needed due to high switching frequency: TPS54317 and TPS623xx
- Excellent thermal performance due to PowerPAD™ package: TPS5430 and TPS54550
- Competitive pricing and cross-reference to popular converters
Step-Down DC/DC Controllers

TI's Step-Down DC/DC Controllers in the TPS40K™ series utilizes external power MOSFETs for maximum design flexibility. The full-featured controllers include the most advanced functions, such as fully synchronous converting with high switching frequency and current feedback control. Controllers are available in input voltages ranging from 1.8 to 55 V.

- **Easy-to-Use Software Tools**
  - TPS40K™ DC/DC Controller designer software tool
  - SWIFT™ DC/DC Converter designer software tool
  - TPS62k Low-Power DC/DC Converter designer software tool
  - Power Quick Search Tool: Web-based selection tool

**For more information about FREE software tools, please visit** [www.ti.com/pol](http://www.ti.com/pol)

**TI European Technical Support**

**INTERNET**
- All About Power: [power.ti.com](http://power.ti.com)
- Analog Literature: [www.ti.com/analoglit](http://www.ti.com/analoglit)

**Cross Reference Search:** [www.ti.com/crossreference](http://www.ti.com/crossreference)

**Top Side Package Marking:** [www.ti.com/topsidesymbol](http://www.ti.com/topsidesymbol)

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