DC/DC buck converters (also known as step-down switching regulators) are small, highly efficient devices that can be used to regulate an output voltage powered from a higher input voltage. Covering devices with input voltage up to 100V and output current up to 40A, this quick reference guide highlights TI’s most popular buck converters across a wide variety of applications. To see the complete buck regulator portfolio, visit: [www.ti.com/buckconverter](http://www.ti.com/buckconverter)

### Low \( V_{IN} \)

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<tr>
<th>( V_{IN} ) (V)</th>
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<tbody>
<tr>
<td>1.8</td>
<td>2</td>
<td>2.5</td>
<td>2.75</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>15A</td>
<td>12A</td>
<td>9A</td>
<td>7A</td>
<td>6A</td>
<td>5A</td>
<td>4A</td>
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<tr>
<td>LM21215: 15A, 2.95 to 5.5V, HTSSOP (4.4x6.5)</td>
<td>LM21212: 12A, 2.95 to 5.5V, HTSSOP (4.4x6.5)</td>
<td>TPS54917: 9A, 3 to 4V, VQFN (3.5x7)</td>
<td>TPS54719: 7A, 2.95 to 6V, WQFN (3x3)</td>
<td>TPS62666: 6A, 2.4 to 5.5V, WQFN (1.05x1.78)</td>
<td>TPS62480: 6A, 2.4 to 5.5V, VQFN (2.5x3)</td>
<td>TPS54618/TPS54618-Q1/TPS54678: 6A, 2.95 to 6V, WQFN (3x3)</td>
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<tr>
<td>LM20136: 6A, 2.95 to 5.5V, HTSSOP (5.1x6.5)</td>
<td>TPS54519: 5A, 2.95 to 6V, 16-WQFN (3x3)</td>
<td>TPS62827: 4A, 2.4 to 5.5, QFN (1.5x1.5)</td>
<td>TPS62810-Q1: 4A, 2.75 to 6V, VQFN (2x3) WF</td>
<td>TPS62864: 4A, 2.4 to 5.5V, WQFN (1.05x1.78)</td>
<td>TPS54418/TPS54478/TPS57114C-Q1: 4A, 2.95 to 6V, WQFN (3x3)</td>
<td>TPS62813-Q1: 3A, 2.75 to 6V, VQFN (2x3) WF</td>
</tr>
<tr>
<td>TLV62585: 3A, 2.5 to 5.5V, QFN (2x2), SOT563 (1.6x1.6)</td>
<td>TPS62088: 3A, 2.4 to 5.5V, WQFN (1.2x0.8)</td>
<td>TPS62823 / TPS62826: 3A, 2.4 to 5.5V, QFN (1.5x2), QFN (1.5x1.5)</td>
<td>TPS54318/TPS54388C-Q1: 3A, 2.95 to 6V, WQFN (3x3)</td>
<td>TPS54122: 3A, 2.95 to 6V + 3A Low-Noise LDO, QFN (3.5x5.5)</td>
<td>TPS5432: 3A, 2.95 to 6V, SOIC-8 (4.9x6)</td>
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</tbody>
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**Legend:**
- Low EMI
- Low \( I_{Q} \) (< 5μA)
- Low Solution Cost
- Power Density
- General Purpose
- AVS/DVS capabilities
- Automotive qualified
- Wettable flanks
- WF Wettable flanks
Low $V_{IN}$ (continued)

- **Low EMI**
- **Low $I_Q$ (≤ 5µA)**
- **Low Solution Cost**
- **Power Density**
- **General Purpose**
- **AVS/DVS capabilities**
- **Automotive qualified**
- **Wettable flanks**

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**TPS62812-Q1**: 2A, 2.75 to 6V, VQFN (2x3) WF

**TLV62569/ TLV62569A**: 2A, 2.5 to 5.5V, SOT23 (2.9x2.8), SOT563 (1.6x1.6)

**TPS62822/ TPS62825**: 2A, 2.4 to 5.5V, VQFN (1.5x2) / (1.5x1.5)

**TPS54218/ TPS57112C-Q1**: 2A, 2.95 to 6V, WQFN (3x3)

**LM26420-Q1**: Dual 2A, 3 to 5.5V, QFN (4x4)

**TPS62811-Q1**: 1A, 2.75 to 6V, VQFN (2x3) WF

**TLV62568/ TLV62568A**: 1A, 2.5 to 5.5V, SOT23 (2.9x2.8)

**TPS62801**: 1A, 1.8 to 5.5V, WCSP (0.7x1.05)

**TPS62821**: 1A, 2.4 to 5.5V, QFN (1.5x2)

**TPS62410**: Dual 800mA, 2.5 to 6V, QFN (3x3)

**TPS62840**: 0.75A, 1.8 to 6.5V, SON (1.5x2), WCSP (1x1.5), HVSSOP (3x5)

**TPS62808**: 0.6A, 1.8 to 5.5V, SDBGA (0.7x1.05)

**TPS62740/ TPS62743**: 300 to 400mA, 2 to 5.5V, QFN (2x3), WCSP (0.88x1.57)
TPS546D24A: 40A, 2.95 to 18V, LQFN-CLIP-40 (5x7)
TPS549B22: 25A, 1.5 to 18V, LQFN-CLIP-40 (5x7)
TPS543B20: 25A, 4 to 19V, LQFN-CLIP-40 (5x7)
TPS546B24A: 20A, 2.95 to 18V, LQFN-CLIP-40 (5x7)
TPS549A20: 15A, 1.5 to 20V, VQFN-CLIP-28 (3.5x4.5)
TPS548A20: 15A, 1.5 to 20V, VQFN-CLIP-28 (3.5x4.5)
TPS549D22: 40A, 1.5 to 16V, LQFN-CLIP-40 (5x7)
TPS548D22: 40A, 1.5 to 16V, LQFN-CLIP-40 (5x7)
TPS546C23: 35A, 4.5 to 18V, LQFN-CLIP-40 (5x7)
TPS543C20A: 40A, 4 to 16V, LQFN-CLIP-40 (5x7)
TPS62180: 6A, 4 to 15V, DSBGA-24 (2.25x3.25)

Low EMI
Low IQ (≤ 5µA)
Low Solution Cost
Power Density
General Purpose
AVS/DVS capabilities
Automotive qualified
Wettable flanks (WF)
Wide $V_{\text{IN}}$ (continued)

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