



Figure 2

In this current-fed, cascaded buck and push-pull power converter, which offers a favorable topology for multiple-output converters, the push and pull outputs operate continuously, alternating with a slight overlap. The buck stage, which operates at twice the push-pull frequency, controls the output voltage. Continuous output current from the push-pull stage requires minimal filtering, and low push-pull switching losses and matched synchronous-rectifier loading achieve high efficiency.