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Synchronous Buck

Reference Design

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	PMP443
Name	Synchronous Buck Reference Design
Status	ACTIVE
Price (US\$)	Free

Product Information

Description

This reference design describes a cost effective converter that operates from a 15-42VDC input voltage. The output is 5VDC at 2A. The TPS40061 is a high efficiency, wide input range synchronous buck controller that operates at input voltages to 60VDC. It contains all control components necessary to implement a voltage mode PWM controller. Features include short circuit protection and voltage feed-forward control. The feed-forward control provides a constant, stable control loop over the complete input voltage range. With a 28VDC input and 5V at 2A output, the efficiency is better than 86%.

Related Products

Related Devices		
Part#	Name	Product Family
TPS40060	Wide Input (10V-55V) up to 1 MHz Frequency Synchronous Buck Controller, source only	Switching Regulator

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