

## ContainerPower Energy Solutions

# Portable Power Supply Customization



## Overview

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What are portable power conversion applications?

Portable power conversion applications present unique and challenging design considerations. Innovative, small electronics require solutions with small footprints. In order to maintain battery life, portable applications require both high conversion efficiency and low standby power dissipation.

Why do we offer fully customized power module design & development services?

offer fully customized power module design and development services to meet unique product requirements We understand that every manufacturer, brand owner, and engineer has unique product requirements and that different markets have varying needs. That's why we offer fully customized power module design and product development services.

Why do portable batteries need a buck conversion?

In order to maintain battery life, portable applications require both high conversion efficiency and low standby power dissipation. Multi-cell battery packs may require step-down (buck) conversions and single cell batteries often require step-up (boost) conversions to maintain consistent power levels while the batteries discharge.

Why should you choose microchip for portable power conversion?

Microchip offers a broad array of solutions which feature small package sizes, high-efficiency, low standby power, accuracy and versatility solutions to solve these portable power conversion challenges.

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### Contact Us

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