

# Portable programmable mobile power supply





## Overview

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What is a programmable power supply?

Programmable power supplies (CVCC variable DC power supplies, DC power supplies) are power supplies that can be operated in constant voltage (CV) mode or in constant current (CC) mode automatically depending on load conditions within the range of voltage values and current values that have been set ahead of time.

What is a portable power supply?

These devices provide stable, adjustable power outputs in a portable form factor, making them ideal for various applications, from prototyping circuits to powering small gadgets. They are especially useful when fixed-voltage power supplies—such as those from old laptops, power banks, or other power adapters—are already available.

Is TDK-Lambda a programmable power supply?

The standard Z+ series now also includes USB and optional LAN. TDK-Lambda's lineup of programmable power supplies consists of the Genesys series suitable for 19 inch racks mounted and the portable benchtop-type Z+/ZUP series for applications such as researching, and all are UL-listed products with RS232C/RS485 in their standard form.

What is a compact power supply?

Compact power supplies are becoming increasingly popular among electronics enthusiasts, makers, and professionals. These devices provide stable, adjustable power outputs in a portable form factor, making them ideal for various applications, from prototyping circuits to powering small gadgets.



## Portable programmable mobile power supply

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PocketPD: The Ultra Portable Programmable Power Supply

Aug 6, 2024 · PocketPD is a tiny USB programable power supply created by Vincent Nguyen, along with Martin Axelsen and Ryan Trissel. The PocketPD is designed to be an ultra-portable ...

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PocketPD

Jan 6, 2024 · The No Inductor power supply. This project utilizes PicoPD's previous work to prototype a bench power supply. Beside portable ...

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FNIRSI® DPS-150 Programmable Mini Portable DC Adjustable Power Supply ...

Compact & Portable: Small, space-saving design for use in labs, repairs, and DIY projects. Introduction The FNIRSI-DP150 is a high-performance adjustable DC power supply launched ...

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PocketPD

Jan 6, 2024 · The No Inductor power supply. This project utilizes PicoPD's previous work to prototype a bench power supply. Beside portable soldering iron, this should be one of the best ...

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Vincent Nguyen's PocketPD Is an Ultra-Tiny ...

Electrical engineer Vincent Nguyen, working with Martin Axelsen and Ryan Trissel, has designed an ultra-portable benchtop power supply, making ...

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Vincent Nguyen's PocketPD Is an Ultra-Tiny USB Programmable Power

Electrical engineer Vincent Nguyen, working with Martin Axelsen and Ryan Trissel, has designed an ultra-portable benchtop power supply, making full use of the capabilities available in the ...

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Programmable DC Power Supplies , Products ...

2 days ago · TDK-Lambda's lineup of programmable power supplies consists of the Genesys series suitable for 19 inch racks mounted and the portable ...

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Compact & Programmable Power for Electronics

Oct 20, 2025 · Discover the PocketPD, a compact power supply offering precision, portability, and versatility for electronics enthusiasts and professionals.

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Programmable DC Power Supplies , Products , TDK Product ...

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PocketPD , Crowd Supply

PocketPD is built around the Programmable Power Supply (PPS) mode introduced in 2015.



Originally designed for improved battery charging in smartphones, PPS allows devices to set ...

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Achieving the programmable power supply function in ...

Jun 22, 2023 · The isolated flyback power-supply topology is popular in mobile phone adapters because of its low cost and minimal components. Figure 1 shows the flyback system block ...

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Fnirsi DPS-150 Compact and Portable Power Supply and ...

Feb 4, 2025 · Compact power supplies are becoming increasingly popular. In this review, we explore the features and performance of the Fnirsi DPS-150 mini power supply.

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14 Best Programmable Power Supplies for Precision Power ...

Oct 3, 2025 · A comprehensive guide to the 14 best programmable power supplies for 2025, designed to elevate your precision power control--discover which models stand out.

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FNIRSI® DPS-150 Programmable Mini ...

Compact & Portable: Small, space-saving design for use in labs, repairs, and DIY projects. Introduction The FNIRSI-DP150 is a high-performance ...

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