Portable programming power supply

What are the best portable power supplies for college electrical engineering students?
"PocketPD [is a] USB-C portable bench power supply," Nguyen explains of his creation, "leveraging the Programmable Power Supply (PPS) of USB PD 3.0 and 3.1 to make an ultra-compact bench power supply. Beside portable soldering iron [s], this should be one of the best portable tools for college electrical engineering students."

What is a programmable power supply?
By mimicking real battery discharge profiles,a programmable power supply enables engineers to test battery-powered devices under controlled conditions. This ensures accurate performance evaluation for IoT devices,wearables,and portable electronics. Designing a reliable power supply requires careful planning,precise testing,and the right tools.

What is pocketpd power supply?
PocketPD is a USB Type-C powered bench power supplythat fits inside your pocket. Paired with a modern USB Type-C charger or power bank,it is a full-featured power supply that can provide a wide range of voltage with built-in safety. It is equipped with an OLED display,current sensor,and banana jack output for all your standard equipment.

Does Nguyen have a fully programmable bench power supply?
A fully-programmable bench power supply in your pocket: that''s the promise of Nguyen''s latest USB Power Delivery project.

Discover the MS Series Portable Energy Storage Power Supply -- lightweight, efficient, and reliable for outdoor adventures, home backup, and off-grid living. Featuring ...

USB Programmable Power Supply This USB-C to DC adapter utilizes the USB Power Delivery protocol that turns your USB-PD charger into a programmable power supply. ...

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

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 ...

About this item Programming Power Mode & Vehicle Display ModeThe EM365 is designed to provide a stable voltage under ...

Discover reliable battery charger for ECU programming with 12V/24V support, MPPT tech, and stable power supply. Ideal for car battery charger & EV systems.

BenchVolt PD is an open-source, USB-C powered multi-channel lab power supply delivering up to 100 W. Features 5 outputs (0 V-32 V), STM32 control, USB-PD, low-noise ...

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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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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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 ...

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