

Portable host pd power supply



Overview

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. It began as an open-source project after a long process of iterations, refining both the. Leveraging the Programmable Power Supply (PPS) of USB PD 3. This project utilizes PicoPD's previous work to prototype a bench. 's PocketPD isn't just adorably tiny — it also boasts some pretty useful features. It offers a lightweight way to get a precisely adjustable output of 0 to 20 V at up to 5 A with banana jack output, integrating a rotary encoder and OLED display for ease of use. PocketPD leverages USB-C. PocketPD: a portable USB C bench power supply that fits in your pocket « Adafruit Industries – Makers, hackers, artists, designers and engineers! PocketPD is a portable USB C bench power supply that can fit in your pocket. 1 power source and you can utilize the PPS. What if the power of a full-fledged bench power supply could fit in the palm of your hand?

Imagine troubleshooting a circuit in the field or fine-tuning a DIY project at home, all without lugging around bulky equipment.



Article Content

PocketPD

This bench power supply is powered by USB-C PD 3.0/3.1 using their PPS capability. There is no buck or boost converter on the board as these component is already in your USB-C ...

PocketPD | Crowd Supply

PocketPD is a USB Type-C powered bench power supply that 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 ...

PocketPD: The Ultra Portable Programmable Power Supply

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 bench power ...

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 USB Power ...

PocketPD

We will explore how to implement constant voltage (CV) and constant current (CC), two modes that are featured in all of the standard bench power supplies. Best of all, it will fit inside your pocket!

PocketPD: Programmable PPS and USB-C PD 3.0 power supply

This allows for a lighter and more compact design, with less power loss and less heat, ideal as a portable power supply or for bench testing when you need to diagnose problems in the field.

Power Supply With Benchtop Features Fits In Your Pocket

PocketPD leverages USB-C Power Delivery (PD), a technology with capabilities our own [Arya Voronova] has summarized nicely. In particular, PocketPD makes use of the Programmable ...

Compact & Programmable Power for Electronics

The PocketPD is a compact, portable USB Type-C powered bench power supply, offering precision and versatility for electronics enthusiasts, professionals, and students.

PocketPD: a portable USB C bench power supply that fits in your pocket

PocketPD is a portable USB C bench power supply that can fit in your pocket. Combine with a USB C PD 3.0/3.1 power source and you can utilize the PPS profile to create a portable power ...

PocketPD

Beside portable soldering iron, this should be one of the best portable tools for college electrical engineering students. This bench power supply is powered by USB-C PD 3.0/3.1 using their PPS ...

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

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.kingkongautomotive.co.za>

Email: info@kingkongautomotive.co.za

Phone: +27 73 194 5826

Address: Block C, Waterfall Office Park, 1 Magwa Crescent, Midrand, 1685, South Africa

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