

BLINK SOLAR

Portable controllable power supply



Overview

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.

How do I remotely control a programmable power supply?

You can remotely control a programmable power supply via a digital interface allowing the operator to remain in a safe environment. A programmable power supply converts AC voltage to controlled DC voltage and current with an input stage, control circuitry, and feedback loop.

What are the different types of programmable power supplies?

There are four basic types of programmable power supplies. These programmable power supplies cater to various needs, from basic voltage and current adjustments to more advanced and specialized requirements in both DC and AC electrical systems.

What is the best portable power supply for college electrical engineering students?

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 portable tools for college electrical engineering students. This bench power supply is powered by USB-C PD 3.0/3.1 using their PPS capability.

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

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 ...

Amazon : Programmable Power Supply

Programmable DC Power Supply (0-30 V 0-10 A) HM310T High Precision 4-Digit Voltage Current Power Time Display Variable Switching Digital Power Supply with PC Software and USB ...



Programmable Power Supplies

While bench mount supplies are portable and ideal for individual testing and experimentation, rack mount and chassis mount supplies are more suitable for organized and integrated setups in ...



Programmable Power Supply 101

At its core, a programmable power supply, often referred to as a programmable bench power supply, is a device used in electronics and electrical testing and development to ...



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 ...

DPS3340 Discovery USB Programmable Power Supply

Digilent's Discovery USB Programmable Power Supply (DPS3340) is a three channel variable DC programmable power supply that allows users to control the power provided to their external ...



PocketPD

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prototype a bench power supply. Beside portable soldering iron, this should be one of the best ...



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 ...



PUSUNG-R (Fit for 19 inch cabinet)



Programmable Power Supply

Find the perfect programmable power supply for automated testing and precision control. Get accurate, repeatable power for R& D, production, and validation. Explore Tektronix solutions ...

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