



Adjustable voltage portable power supply

What is an adjustable power supply circuit?

In this project, an adjustable power supply circuit is designed which inputs AC mains and provides 0 to 30V 2A DC Voltage as output. The power supply designed in this project is an adjustable linear regulated type so the output voltage of the circuit is constant and is varied mechanically with the help of a variable resistor.

What is a variable power supply?

View & Download the Guide A variable power supply provides precise, adjustable voltage and current for circuit testing, device validation, and troubleshooting. With clean, stable output and real-time control, it ensures accurate, repeatable measurements in R&D, production, and educational labs.

Do you need an adjustable power supply?

Everyone sometimes needs an adjustable power supply. Bench power supplies are expensive and therefore we usually use what's available. The most well known power supplies of a high current low voltage are AT or ATX supplies from computers.

What is an adjustable / programmable power supply?

Using an adjustable / programmable power supply allows digital or analog control of the power supply output by a control system for maximum versatility. The control system can control and monitor the power supply output voltage and current from virtually anywhere there is an Ethernet connection.

Need reliable portable adjustable power supplies? Discover versatile units with voltage control for labs, fieldwork, and electronics. Compare 450+ models with overload protection and wide input ranges. ...

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High Voltage DC-DC Modular Power Supply 30 - 60 Watts DC input from 21.6V to 32V 1000 - 30000 volts output models Constant voltage or current Locally adjustable with internal potentiometers 0 - ...

LM2596S Adjustable DC-DC Buck Converter Power Supply Module with Digital Voltage Meter Display Input 4-40V Output 1.25-37V 3A (Pack of 3)

Part #: APS-415 Input Voltage: 117VAC Output Voltage: Adjustable 3~15VDC Output Current: 4A W/Banana Jacks Color: Black Dimensions: 6.5" x 4.5" x ...

Adjustable DC power supplies are essential tools in electronic laboratories, offering precise control over voltage (CV mode) and current (CC mode) to meet various testing needs. This ...

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DMM style portable power supply provides up to 30 volts of DC power



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DC Power Supply Variable, Bench Power Supply with Encoder Adjustment Knob, Output Enable/Disable Button, Adjustable Power Supplies with USB Quick-Charge, Short Circuit Alarm (30V 10A Black) 1K+ ...

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