

DC Remote Power Supply Module



AI Overview

A DC Remote Power Supply Module is a programmable power supply that allows precise voltage and current control with remote monitoring and automation capabilities. Overview A DC Remote Power Supply Module is designed to provide stable, adjustable DC voltage and current while enabling remote operation and monitoring. These modules are widely used in R&D, automated testing, production, and industrial applications where precise control and repeatability are critical. Key Features Programmable Output: Voltage and current can be set with high resolution, often via front panel, LAN, USB, or analog interfaces. Remote Control & Monitoring: Enables integration into automated test systems, allowing engineers to run sequences, stress tests, or simulate battery profiles without manual intervention. Series and Parallel Operation: Multiple modules can be connected in series or parallel to increase total voltage, current, or power output. Protection Mechanisms: Over-voltage, over-current, over-power, and temperature protection ensure safe operation. Advanced Sequencing: Some modules support list sequence programming, adjustable slew rates, and automated cycling for reliability testing. Compact and Modular Design: Configurable modules can range from low-power (33 W) to high-power (up to 3240 W with combined units), suitable for benchtop or embedded applications. Applications Automated Test Equipment (ATE): Simulate real-world device conditions and battery discharge profiles for IoT, wearables, and portable electronics. Laboratory Testing: High-precision voltage and current control for electronics validation and characterization. Industrial and Commercial Use: Powering LED systems, automotive electronics, and energy storage testing. Education and Research: Teaching labs and experimental setups requiring programmable and safe DC power. Examples of Modules Siglent SPS5000X Series: Programmable switching DC power supply with series/parallel capability, high-resolution control, and remote inte...

Article Content

LMPS-PWAC-120 Power supply module, 24 V DC | OPTOKON

LMPS-PWAC-120 Power supply module, 24 V DC The OPTOKON LMPS-PWAC-120 introduces an isolated AC/DC power supply which is able to work under both heavy electrical and environmental

eeNews Power ...

Infineon has expanded its XHP 2 power module range with 2300 V CoolSiC MOSFET variants for high-voltage energy

DC Power Supply

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TI unveils complete 800 VDC power architecture for future generation

TI will demonstrate its 800 VDC power solution at NVIDIA GTC 2026 DALLAS, March 16, 2026 /PRNewswire/ -- Texas Instruments (NASDAQ: TXN) today unveiled a complete 800V direct

Schneider Electric TM5SPS10FS Safe supply I/O supply, 24 V, 10 A

This product is part of the Modicon TM5 range, an High-Performance and Safe IP20 Modular I/O System. This safety power distribution module provides a rated supply voltage of 24V DC, 10A. It

Power supply units

Hitachi Energy offers flexible extension modules that used in all product lines to provide additional and extended functionality in Power supply units.

DC/DC Power Module

Explore our high-efficiency DC/DC power modules, delivering high-performance and highly reliable power management solutions for a wide range of applications, including industrial, automotive, and

DC Power Supplies

Keysight DC power supplies provide stable, precise power for designing, testing, and validating electronic devices across development and production. Choose the performance grade that fits your

Phoenix Contact 2862411 PLC I/O Module Profibus 32 x I/O, 500 mA

Phoenix Contact Inline Series —The Flexible I/O System for the Control Cabinet | Modular IO Terminals & Block IO Modules:Discover the practical advantages of Inline: the bus and power supply do not

DC/DC power modules

In this training series, we discuss the high level of integration of our power modules and the significant implications that this has on power-supply design with respect to solution size, EMI, design time and

AC-DC Power Supply ESP32 WiFi Module 5V Stable Output

This intelligent IoT switch module integrates an ESP32-WROOM microcontroller with an onboard AC-DC power supply and a high-capacity relay on a single, compact PCB. It accepts 85-265V AC

Modular Module DC Power Supplies: N6752A | Keysight

The Keysight N6752A is a high-performance, autoranging DC power module that offers speed and accuracy for test optimization.

DC Power Supply

A programmable dc power supply allows users to set and control voltage, current, and other parameters remotely via software or interfaces like USB, GPIB, or

Modular PowerSeries 2

The next generation 1RU Modular Power Series 2 DC power system from ICT provides N+1 redundancy with 700-, 1000-, or 1500-watt hot-swappable DC power modules, providing up to 4,500 watts of

DC/DC & AC/DC Converter

With 35,000+ power supply solutions, RECOM Power offers one of the industry's most comprehensive portfolios, including AC/DC power supplies, DC/DC converters, switching regulators, LED drivers,

Interface L298N DC Motor Driver Module with Arduino

Learn about L298N Motor Driver module along with PWM, H-bridge Working, Pinout, Wiring, Arduino Code for controlling speed & direction of DC motor.

RD6006W 60V 6A Buck DC-DC Converter Module

RD6006 DC-DC Buck Converter Module, 6-70V Input, 0-60V/0-6A Adjustable Output, 167x81x65mm, 60V 6A Step-down Power Supply for Battery Charging,

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Remote control power supply

The power supply units in the SNT125 series are powerful and robust switching power supply units for supplying sensitive loads in harsh industrial environments.

AC-DC Power Supplies and Electronic Loads by Kepco

OEM and Modular Power Supplies Kepco, an ISO 9001:2015 company, has been designing and manufacturing electronic power supplies, both modular and instrument type, since 1946. Specializing

Programmable Power Supply

A programmable power supply provides adjustable voltage and current with remote control and automation, making it ideal for R& D, automated testing, and

DC-DC Power Supply Modules

Find high-efficiency DC-DC Power Supply Module, including the recommended DBS, DHS, and SNDBS series, and technical support options.

Communication Base Station Power Supply Selection

Best telecom power backup solutions for remote cell towers CONSNANT
Communication Power Supply Series—Core Advantages (featuring

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