

UPS Series™



Vanguard Instruments Co., Inc.
Quality Control, USA
UNIVERSAL POWER SUPPLY SERIES 2



Vanguard Instruments Company



Vanguard's UPS Series 2

UPS-S2 FEATURES

- Isolated variable 1-300 Vdc source
- Isolated variable 1-240 Vac source
- 10 ampere continuous current

Ordering Information – Universal Power Supply S2

UPS-S2	Part No: UPS-S2
UPS-S2 Shipping Case	Part No: UPS-S2 Case
UPS-S2 Test Leads	Part No: UPS-S2 Test Leads

Universal Power Supply Series 2

The Vanguard Universal Power Supply Series 2 (UPS-S2) is designed and produced to meet a utility company's substation needs for an independent AC/DC power source. Both the AC and DC voltage sources are capable of supplying 10 amperes continuously.

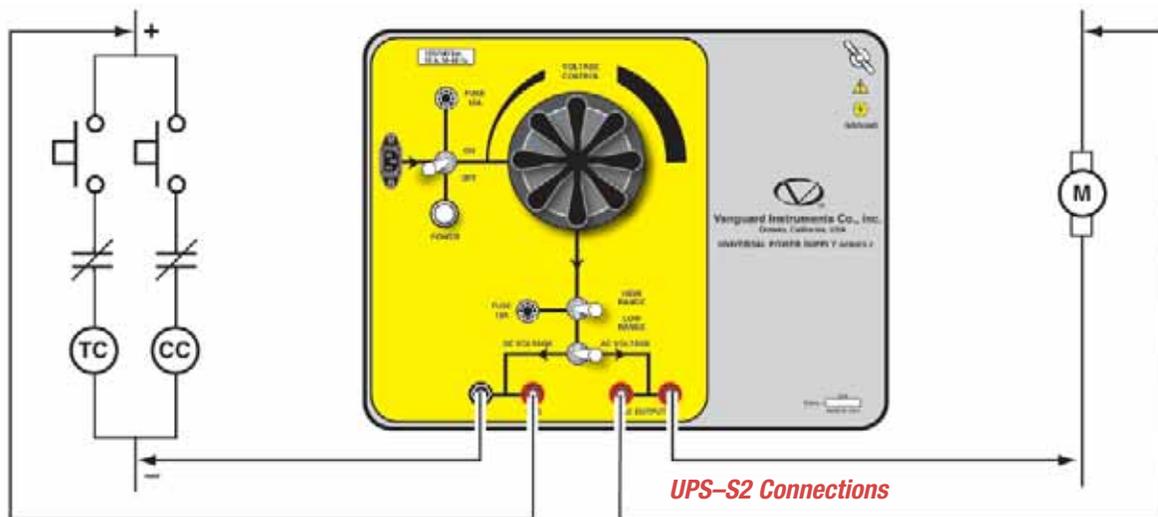
The variable DC power supply (1-300 Vdc) is ideal for use as a substitute primary power source when station batteries are not available. The UPS-S2 is ideal for operating circuit breakers, powering substation relays or for unregulated charging of substation batteries. The AC power supply is a variable isolated power source (1-240 Vac) that can be used to power other equipment in the substation.

Vanguard's Universal Power Supply delivers several important features:

- All output power sources are isolated from the primary power input by an isolation transformer.
- Voltage outputs are continuously variable (auto-transformer) with a Front Panel control knob.
- The Universal Power Supply's primary power input is user selectable to either 120Vac or 240Vac.
- All voltage outputs are capable of supplying a continuous 10 ampere load.

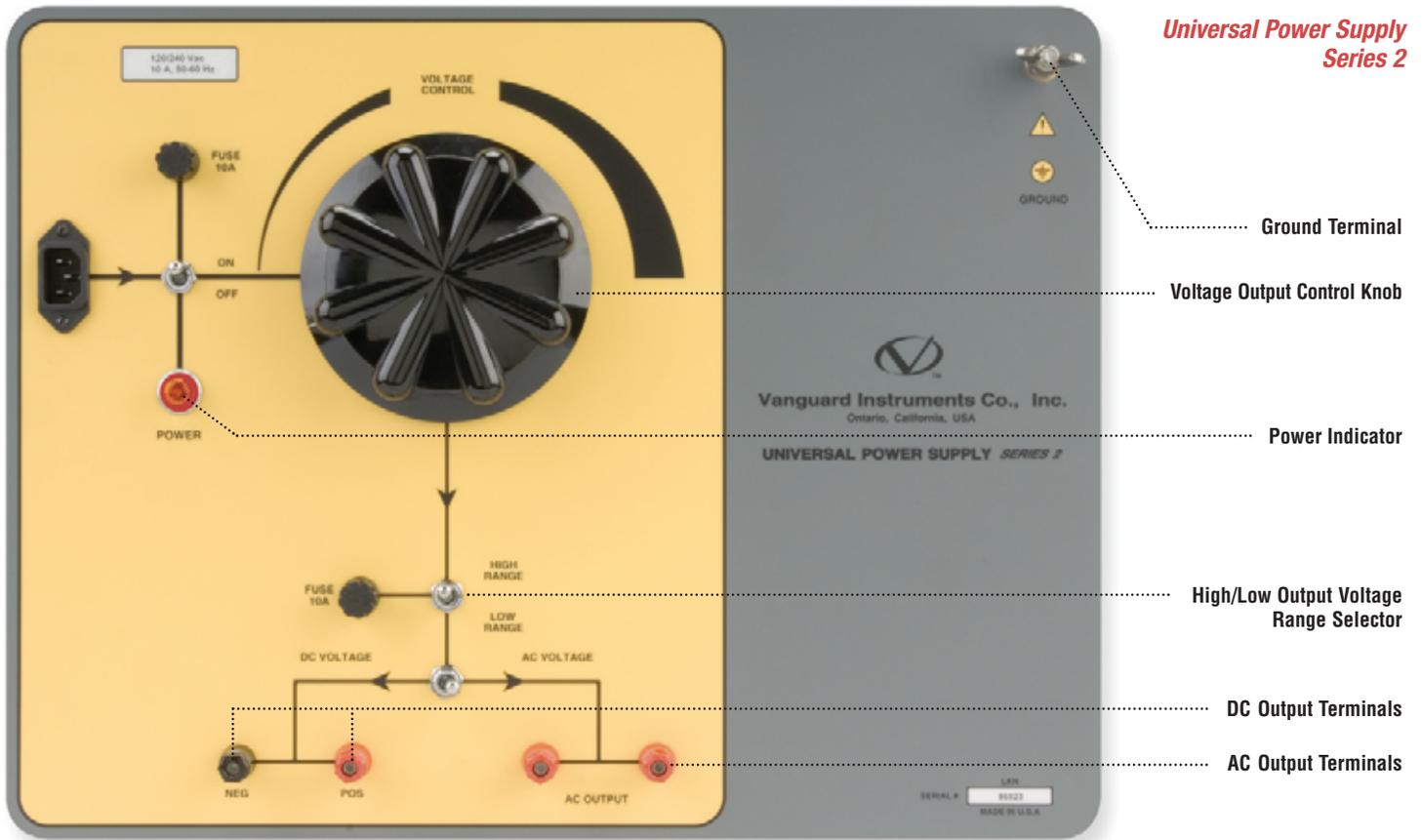
For simplicity of operation, the power output routing path is clearly outlined on the Control Panel, which allows users to intuitively make the appropriate control function selections for the desired operating configuration.

The Universal Power Supply is contained in a heavy-duty, impact resistant plastic housing and is furnished with a power cord, grounding wire and a pair of test leads with alligator clips. Each Universal Power Supply is warranted by Vanguard Instruments Incorporated for one year and covers parts and labor for failures resulting during normal use.



An Isolated AC/DC Power Supply for Substation

an Ideal Substitute Power Source When Substation Batteries are Not Available



SPECIFICATIONS

- TYPE** Special Purpose Test Equipment, Portable AC/DC Power Supply
- PHYSICAL SPECIFICATIONS** 21"W by 17"H by 9"D (53 cm x 43 cm x 24 cm), Weight 55 lbs (25 Kg)
- INPUT POWER** 90-130 Vac or 200-240 Vac (selectable), 50/60 Hz
- DC OUTPUT VOLTAGE** 1-300 Vdc @ 10 amperes
- AC OUTPUT VOLTAGE** 1-240 Vac @ 10 amperes
- SAFETY** Designed to meet UL 61010A-1 Certification and CAN/CSA C22.2 No. 1010.1-92
- ENVIRONMENT** Operating: -10° C to 50° C (15°F to +122° F); Storage: -30° C to 70° C (-22°F to +158° F)
- CABLES** Power Cord, Ground Cable, 10-ft. Test Leads
- OPTIONS** Shipping Case
- WARRANTY** One Year Parts & Labor

Note: The above specifications are valid at nominal voltage and ambient temperature of +25°C (+77°F). Specifications are subject to change without notice.

on Applications

Vanguard Instruments Company
Reliability Through Instrumentation

RVJun06

Instruments Designed and Developed by the Hearts and Minds of Utility Electricians Around the World

You've seen a lot of utility test equipment in your time. You work with it routinely. Your facility relies upon it to ensure peak performance. Often times, your maintenance tasks are tedious, time-consuming and repetitive. But timely and accurate information is the currency of maintaining maximum uptime and minimal repair, thus testing must be done. Your instruments must be up to the task.

Vanguard Instruments is familiar with your problems and shares in your desire to make transformer and breaker testing fast, reliable, and simple. These principles are the basis for every Vanguard design. They also form the premise for our ongoing research and development as well as every innovative feature we introduce.

How do we know what you're looking for in utility test equipment? We're there in the trenches with you! Our Chief Engineer is frequently on-site at power utility substations around the country and all over the world; working, listening and talking with electricians and technicians just like you. More than that, you've shown us the real nitty-gritty of testing. We've taken that to heart and then back to the lab to solve your problems. The results of your recommendations are embodied in utility test equipment that is easy to use, rugged and dependable. The UPS Series 2™ along with Vanguard's full line of test equipment leads the industry in accuracy and automatically performs a range of tasks and calculations that were once the bane of every utility electrician.

We hope that you will take a few moments to consider the technological innovations that are engineered into every Vanguard test instrument. Equally important, we want to know that our past efforts make a present difference in your testing routines and on-line uptime. We're not done though. You can be confident we're looking for new ways to improve the results of your testing regimen. Thanks for choosing Vanguard Instruments.



Vanguard Instruments Company, Inc.

1520 S Hellman Ave. • Ontario, California 91761 USA
Phone 909-923-9390 • Fax 909-923-9391
Website: www.vanguard-instruments.com