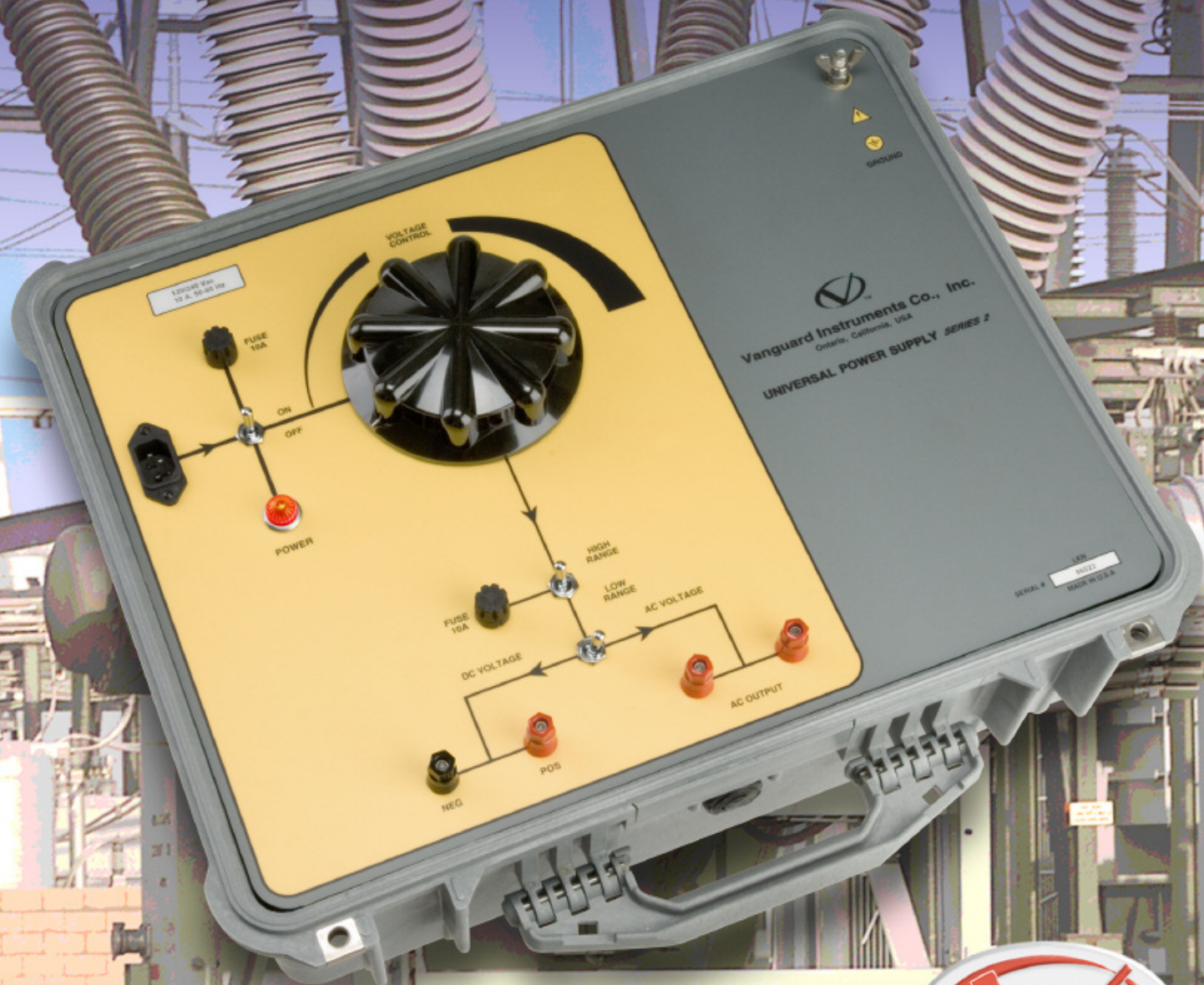


UPS/2™



Vanguard Instruments Company

Vanguard's **UPS** *Series 2*

UPS-S2 FEATURES

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

Ordering Information – Universal Power Supply S2

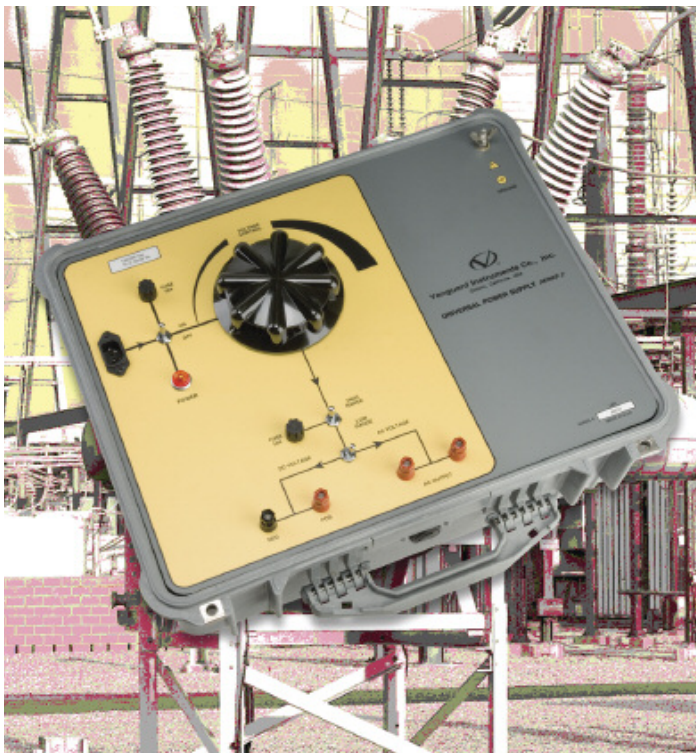
UPS-S2	Part No: UPS-S2
UPS-S2 Shipping Case	Part No: UPS-S2 Case
UPS-S2 Test Leads	Part No: UPS-S2 Test Leads

The Universal Power Supply S2 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) via a front panel control knob.
- The primary power input is selectable (120Vac or 240Vac).
- All voltage outputs are capable of supplying a continuous 10 ampere load.

For ease of operation, the power output path is clearly outlined on the control panel. This provides an intuitive visual guide for making the appropriate selections for a particular operating configuration.

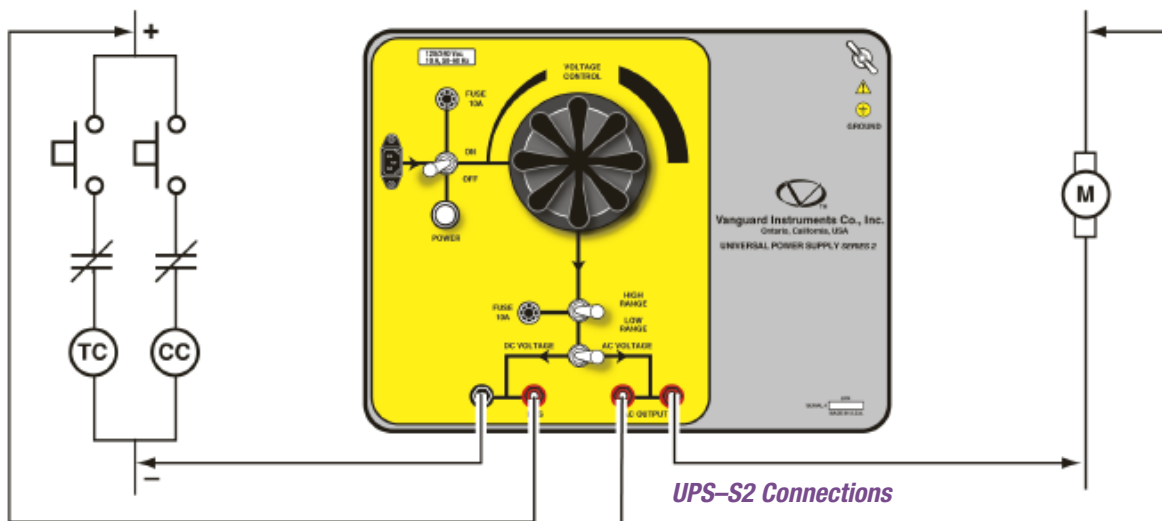
The Universal Power Supply S2 is housed in a heavy-duty, impact-resistant plastic enclosure and is furnished with a power cord, grounding cable, and a pair of test leads with alligator clips.



Universal Power Supply *Series 2*

The Vanguard Universal Power Supply S2 (UPS S2) is designed to meet a utility company's substation needs for an independent AC/DC power source. The UPS S2's AC and DC voltage sources can each supply up to 10 amperes.

The variable DC power supply (10 – 300 Vdc) is ideal for use as a substitute primary power source when substation batteries are not available. The UPS S2 is best suited for operating circuit-breakers, powering substation relays, or for un-regulated charging of substation batteries. The AC power supply is a variable isolated power source (10 – 240 Vac) that can be used to power other equipment in the substation.



An Isolated AC/DC Power Supply for Substation

an Ideal Substitute Power Source When Substation Batteries are Not Available



SPECIFICATIONS

TYPE	Potable AC/DC power supply
PHYSICAL SPECIFICATIONS	21"W x 17"H x 9"D (53 cm x 43 cm x 24 cm); Weight: 55 lbs (25 Kg)
INPUT POWER	100 – 120 Vac or 200 – 240 Vac (factory pre-set), 50/60 Hz
DC OUTPUT VOLTAGE	10 – 300 Vdc @ 10 amperes
AC OUTPUT VOLTAGE	10 – 240 Vac @ 10 amperes
SAFETY	Designed to meet UL 61010A-1 and CAN/CSA C22.2 No. 1010.1-92 standards
ENVIRONMENT	Operating: -10° to 50° C (15°F to +122° F); Storage: -30° C to 70° C (-22°F to +158° F)
HUMIDITY	90% RH @ 40°C (104°F) non-condensing
ALTITUDE	2,000m (6,562 ft) to full safety specifications
CABLES	Power cord, ground cable, 10-foot test leads
OPTIONS	Transportation Case
WARRANTY	One year on parts and 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.

Applications

Vanguard Instruments Company
Reliability Through Instrumentation

RVFeb09

Vanguard Instruments Company, Inc.

Vanguard Instruments Co., (VIC), was founded in 1991. Currently, our 28,000 square-foot facility houses Administration, Design & Engineering, and Manufacturing operations. From its inception, VIC's vision was, and is to develop and manufacture innovative test equipment for use in testing substation EHV circuit breakers and other electrical apparatus.

The first VIC product was a computerized circuit-breaker analyzer, which was a resounding success. It became the forerunner of an entire series of circuit-breaker test equipment. Since its beginning, VIC's product line has expanded to include microcomputer-based, precision micro-ohmmeters, single and three-phase transformer winding turns-ratio testers, winding-resistance meters, transformer tap-changing controllers, megaohm resistance meters, and a variety of other electrical utility maintenance support products.

VIC's performance-oriented products are well suited for the utility industry. They are rugged, reliable, accurate, user friendly, and most are computer controlled. Computer control, with innovative programming, provides many automated testing functions. VIC's instruments eliminate tedious and time-consuming operations, while providing fast, complex, test-result calculations. Errors are reduced and the need to memorize long sequences of procedural steps is eliminated. Every VIC instrument is competitively priced and is covered by a liberal warranty.

Vanguard products are available from:



Vanguard Instruments Company, Inc.

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www.vanguard-instruments.com