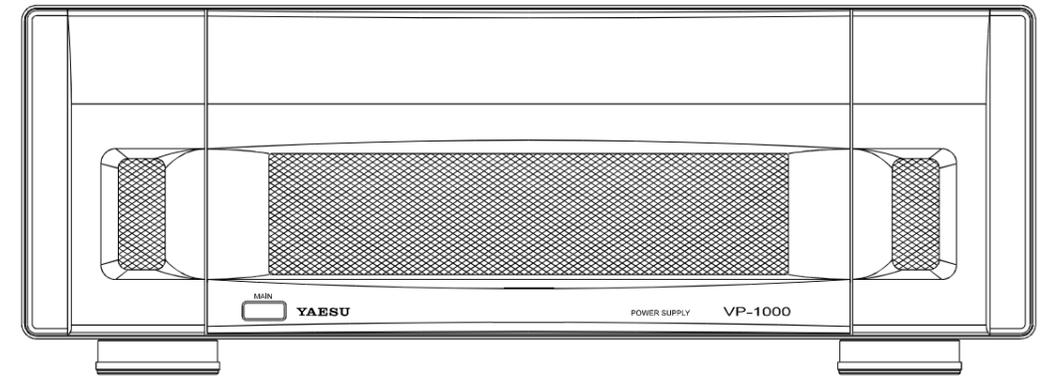


YAESU VP-1000 AC POWER SUPPLY

FOR THE VL-1000 LINEAR AMPLIFIER

The VP-1000 is an external AC power supply for use with the VL-1000 Linear Amplifier, providing 48 Volts DC at up to 48 amperes for extended periods.

Excellent regulation and conservative design assure the owner of many years of trouble-free operation, even in heavy duty applications, such as full power AM, FM, or RTTY transmission. A thermally switched cooling fan automatically activates during long periods of high current demand, to maintain a safe operating temperature in the power supply. An alarm signal output is provided to the VL-1000 to avoid damage in the event that excessive current, excessive voltage, or over-heating of the heatsink should occur.



SPECIFICATIONS

Output Voltage: DC +48 V $\overline{\text{---}}$, DC +12 V $\overline{\text{---}}$, DC -12 V $\overline{\text{---}}$

Output Current: DC +48 V $\overline{\text{---}}$: 22 A (AC 100-200 V~)

DC +48 V $\overline{\text{---}}$: 48 A (AC 200-240 V~)

DC +12 V $\overline{\text{---}}$: 2.8 A

DC -12 V $\overline{\text{---}}$: 0.1 A

Input Voltage: AC 100-240 V~, 50-60 Hz

Current Consumption: 15 A (AC 100-200 V~)

13 A (AC 200-240 V~)

Operating Temperature Range: -10 °C-+50 °C

Case Size: 410 x 135 x 369 mm (W x H x D)

Weight: 14.6 kg (Approx.)

Specifications are subject to change without notice.

SUPPLIED ACCESSORIES

DC Power Cable: T9021199 (2 meters) 1

Control Cable: T9101483 (2 meters) 1

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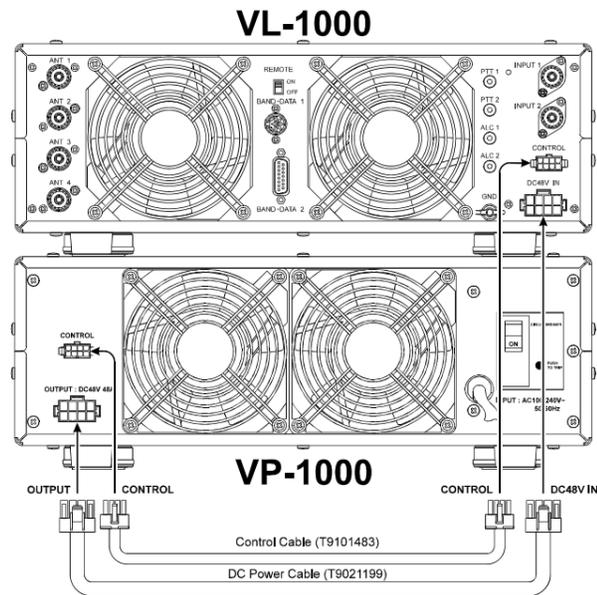
INSTALLATION

The power supply in the VP-1000 is capable of operation from 100 ~ 240 VAC at 50 or 60 Hz. If you have a choice between these two voltage ranges, use the higher voltage to minimize losses in the AC cable.

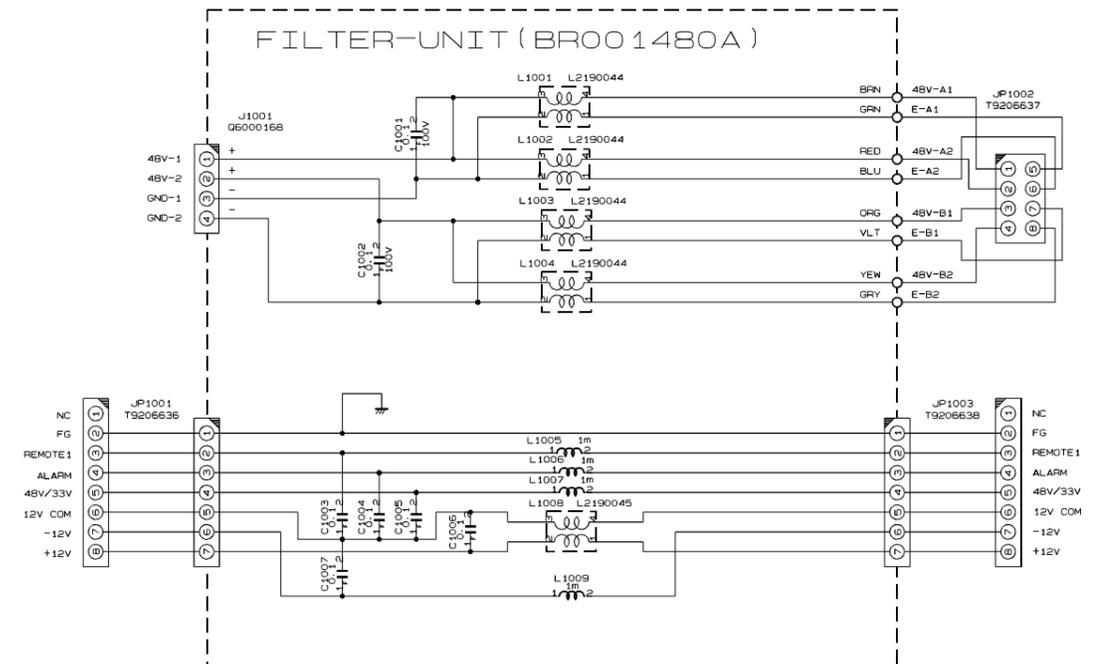
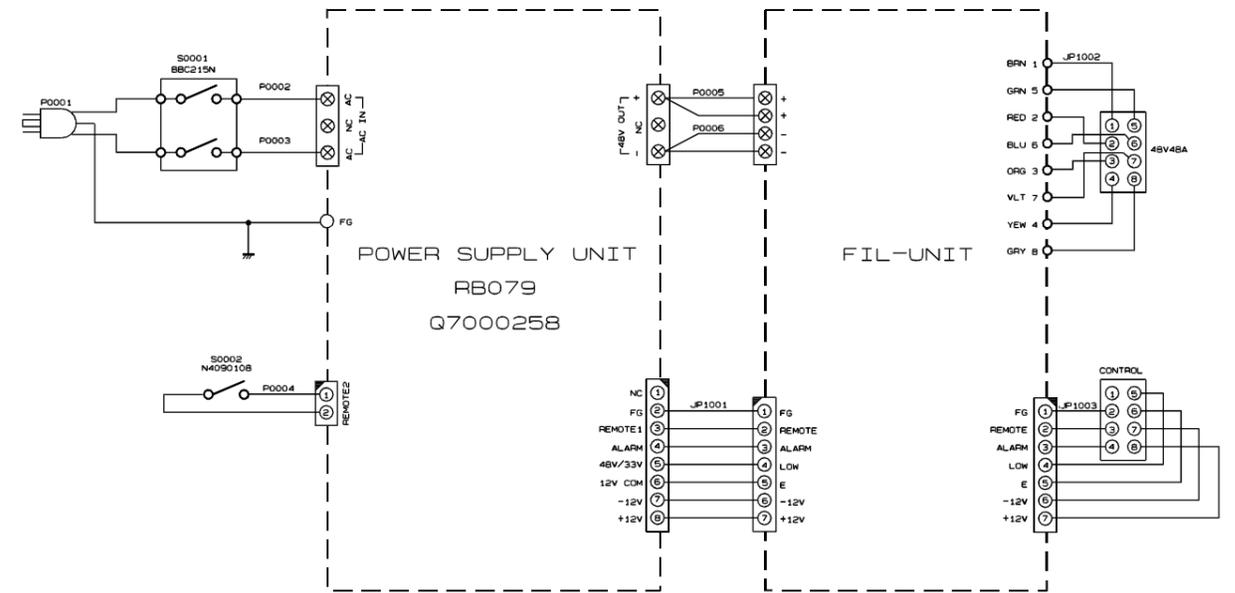
Connect the supplied **DC Power Cable** between the VP-1000 **OUTPUT** jack and the VL-1000 **DC 48V IN** jack, and connect the supplied **Control Cable** between the VP-1000 **CONTROL** socket and the VL-1000 **CONTROL** socket.

Turn the Circuit Breaker on the VP-1000 rear panel **ON**, then turn the VP-1000 **MAIN** switch **ON** to activate the power supply. Always turn the VP-1000 Circuit Breaker and **MAIN** switch on before turning on the VL-1000 **POWER** switch.

To assure long life of the components, a primary consideration in setting up the VP-1000 is providing for adequate ventilation around the cabinet. The cooling system of the VP-1000 must be free to draw cool air in at the bottom of the chassis, and to expel warm air out of the rear panel. Provide a few centimeters of space around each side of the VP-1000. Avoid heating vents and window locations that could expose the VP-1000 to excessive direct sunlight, especially in hot climates.



CIRCUIT DIAGRAM



AC POWER CONNECTIONS

The VP-1000 Power Supply does not require any transformer re-wiring, nor any changing of a switch position; the power supply will operate from either 230 or 120 Volt line voltages without configuration changes.

However, the AC power cable/plug configuration *will* be somewhat different, depending on the country in which you purchased your power supply. In some countries, the VP-1000 is shipped with the standard 230 Volt connector appropriate for your location. In those areas where there are multiple 230 Volt connectors in common use, the VP-1000 is shipped *without* the power connector; one may be obtained at a local hardware or electrical supply store.

Pictorial diagrams of the common 230 and 120 Volt AC connectors in use are shown below. When wiring your own connector, be absolutely certain to observe the proper polarity on the pin connections. Consult with an electrician if you have any doubts about your wiring!

Be sure that your house wiring is capable of sufficient current capacity on the 230 Volt circuit to be used, especially if this circuit is shared with household appliances. It always is preferable to operate the VP-1000 from a dedicated 230 Volt circuit with its own circuit breaker.

