

2350 VDC @ 1.3A



The PS-72 is optimally designed to power Lunar-Link Systems LA-x2A Series 1,500 watt output VHF and UHF Linear Amplifiers when using a pair of 3CX800A7 tubes. The PS-72 provides 2,350 VDC at up to 1.3 amperes.

The PS-72's 2.5 KVA, 46 lb. power transformer utilizes a core made from 14 mil. grain oriented silicon steel. It's 56 uf. / 3.150 volt filter capacitor bank assures excellent dynamic regulation and low ripple (2.5% typical at rated output current) for low IMD SSB voice operation.

Rugged 3 ampere (200 amp. surge) silicon rectifier diodes assure reliable operation. A step start power on relay system provides an additional measure of component protection. The heavy duty 20 ampere AC power relays will withstand years of use. A 50 ohm / 100 watt HV surge limiting resistor protects both the power supply components and the RF amplifier power tubes.

CONNECTIONS: HV - 7' RG-59/U with MHV male plug.
Control - 7' with 6 pin Cinch connector.
24 VDC at 50 ma is required to power the PS-70's AC on power relay.
(supplied by LA- series amplifiers.)
AC PWR - 7', 12 awg. 3 conductor with NEMA 6-20P plug.

OPTIONS: -040 High Capacity Cooling Fan Kit
-041 Internal Cooling Fan
-004 50 Hz AC Power

SPECIFICATIONS:

NO LOAD VOLTAGE*	2,700 VDC
FULL LOAD VOLTAGE^	2,350 VDC
CURRENT 100% DUTY	1.0 A
CURRENT 60% DUTY	1.3 A

* Three primary taps are provided allowing a +/- 100 VDC output voltage adjustment to accommodate local line voltage levels.

^ Voltage drop specification is based upon a 5 VAC line voltage drop under full load and includes the HV current limiting resistor.

POWER REQUIREMENTS:

Standard: 230-240-250 VAC 60 Hz @ 17 A
Option -004: 220-230-240 VAC 50 Hz @ 18 A

DIMENSIONS: 7.2" H x 14.2" W x 8.2" D
18 x 36 x 20 cm (not including feet)

WEIGHT: 62 lb. (25 kg.)

Specifications subject to change without notice.

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