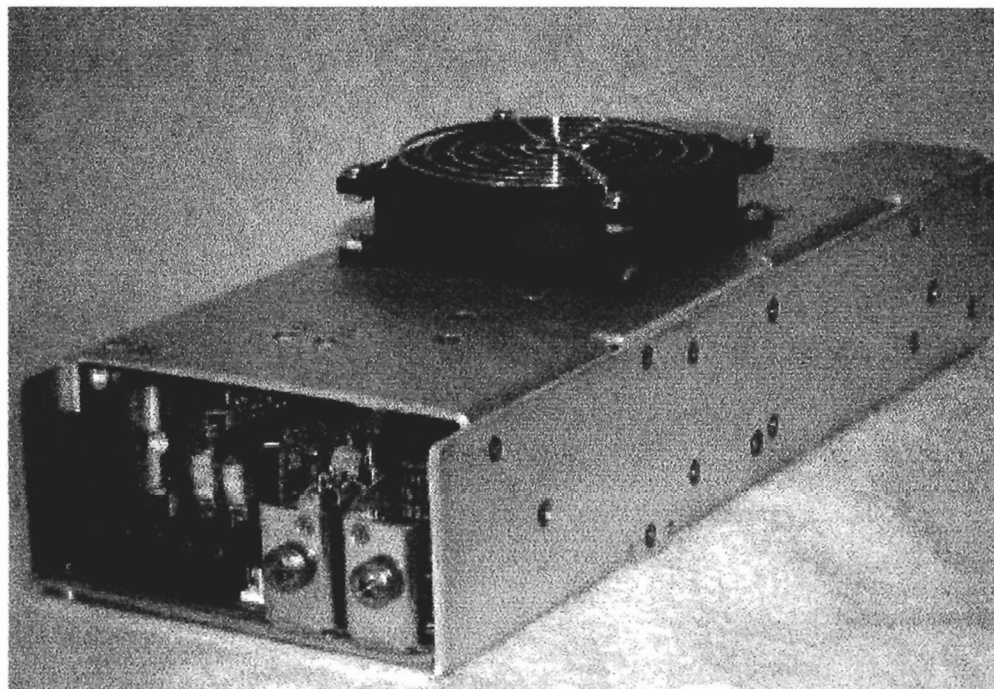


SPX-750-S/U SERIES

750 WATT (-S) SELECTABLE OR (-U) UNIVERSAL
INPUT

ONE TO FOUR OUTPUTS MADE IN THE U.S.A.



HIGH RELIABILITY GREATER THAN 120,000 HRS. MTBF



FEATURES:

100 KHz Operation

Sizes 5" x 2.6" x 13.5"

75% Efficiency Typical

Meets EN55022 Level A / FCC Class A

TYPICAL MODELS AND THEIR OUTPUT RATINGS:

MODEL NO.	V1	V2	V3	V4
SPX-750T-SF	5/100A	12@12/20Apk	-12/10A	
SPX-750Q-UF	5/120A	15@6/10Apk	-5.2/6A	12/2A
SPX-750Q-UF	5/120A	12@12/20Apk	-12/10A	5.2/2A
SPX-750Q-SF	5/120A	24@6/10Apk	-12/10A	15/2A

or configure your own output requirements from the chart below:

	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	2 to 48	120	750
V2	2 to 48	12	180
V3	2 to 48	10	120
V4	5 to 48	2	50

EAST COAST:

3601 VETERANS HIGHWAY

RONKONKOMA, NEW YORK 11779

TEL (516) 981-7231 FAX (516) 981-7266

WEST COAST:

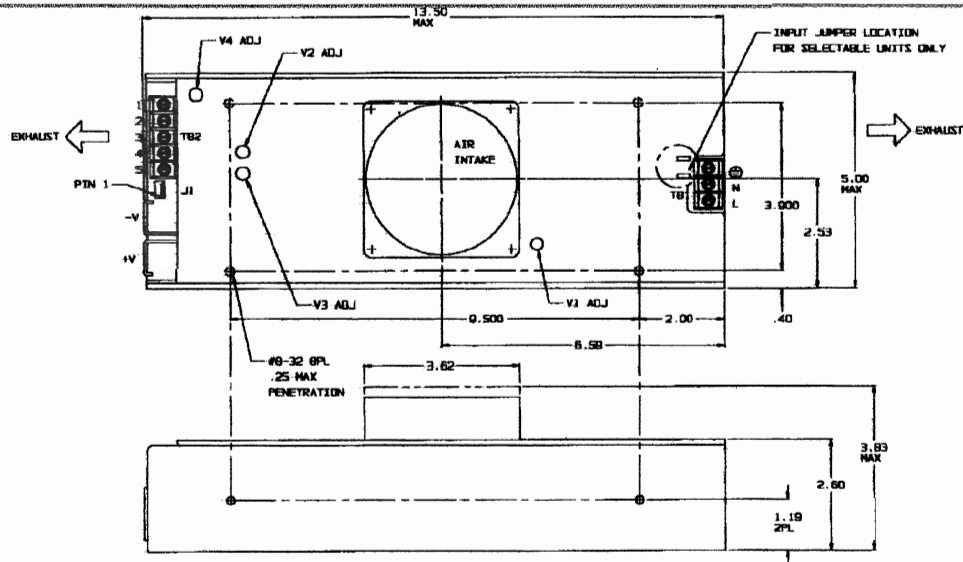
599 N. MATHILDA AVENUE

SUNNYVALE, CALIFORNIA 94086

TEL (408) 732-1230 FAX (408) 732-5712



SPX-750 SERIES 750 WATT COMPACT SIZE



AC INPUT			
FUNCTION	115 VAC	230 VAC	CONNECTORS
INPUT SELECT ONLY	SHUNT	OPEN	250 FANFORS
TB1-(L)	LINE	LINE 1	BANDLER STRIP
TB1-(N)	NEUTRAL	LINE 2	#6-32 SCREWS
TB1-(GND)	SAFETY GROUND	SAFETY GROUND	

DC OUTPUTS		
FUNCTION	LOCATION	CONNECTOR
V1	MAIN OUTPUT	MIN 50MS 40-9-20 SCREWS
V2	TB2-3	#6-32 SCREWS
V3	TB2-4	#6-32 SCREWS
V4	TB2-5	#6-32 SCREWS
V5	TB2-1	#6-32 SCREWS
V6	TB2-2	#6-32 SCREWS

STATUS AND CONTROL			
FUNCTION	LOCATION	NOTES	CONNECTOR
REMOTE SENSE	J1-14(+)	OUTPUT #1 SENSE	AMP MTA TYPE
	J1-2(-)	OUTPUT #1 SENSE RTN	ADJACENT-4 PIN
AC POWER FAIL	J1-3(PP)	REFERENCE TO J1-2	HEADER (LOCKING)
DC POWER GOOD			
INVERT	J1-4(1H)	SHUNT TO J1-2	

* IN .PDF FORMAT,
PRINT OR ZOOM TO SEE DRAWING

Nominal Input Voltage	115-240 VAC.
Frequency	47-63 Hz 400Hz. available.
Operational Input Voltage Range	115/230 VAC 90-264 VAC
Inrush Current	Less than 50 A for 5 msec. @ 115 VAC, or 80 amperes @ 230 VAC.
Fusing	15Ampere, 250 VAC, Internal ceramic body fuse.
Efficiency	80% typical.
Turn on time	Less than 500 msec.
Load Regulation	1% for 10% to 100% load changes, all outputs. 10% min. load required on V1 for max load reg. on outputs V2 to V4.
Line Regulation	± 0.5% over operating line range, all outputs.
Ripple & Noise	1% ripple, 1% noise or 100MV which ever is greater. 20MHz bandwidth.
Transient Response	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.
Short Circuit and Overload Protection	All outputs are protected from short circuit and overload. Automatic recovery.
Overshoot	No turn-on or turn-off overshoot.

Overvoltage Protection	V1 voltage clamp factory set at 20% to 30% above output voltage. V2, V3, V4 failsafe design.
Overtemperature Protection	Unit shuts down if overheated. Automatic recovery.
Cooling	-F, -F1 equipped with fan or user provides min. 30 CFM.
Input/Output Isolation	4242 VDC, SELV construction.
Remote Sense	Up to 0.5 volts total in load.
V1 Output	
Remote On/Off	Standard - Open to run.
Power Good or Power Fail	Standard - Norm logic "1".
Operating Temperature	-20°C to 50°C full output. 50°C to 75°C, derate 2%/°C.
Stability	All outputs 0.5% for 8 hrs. after 1 hour warm-up.
Humidity	Up to 95% non-condensing.
EMI	Meets FCC Class A and EN55022 Level A
Size	5.00"x13.50"x3.83" over fan
Weight	7 lbs.
Safety	UL 1950, CSA 950-95, EN60950.

SERIES BREAKDOWN: SPX-750S ONE OUTPUT SPX-750T THREE OUTPUT
 SPX-750D TWO OUTPUT SPX-750Q FOUR OUTPUT
THEN ADD: -S FOR SELECTABLE OR -U FOR UNIVERSAL INPUT
THEN ADD: -F FOR TOP FAN; OR LEAVE OFF THE -F IF THE USER WILL PROVIDE COOLING.

EXAMPLE: SPX-750T-UF; THREE OUTPUT; WITH TOP FAN; UNIVERSAL INPUT;
 SPECIFY OUTPUT VOLTAGES, CURRENTS AND OTHER OPTIONS.