

SPXL-400

LOW PROFILE - 400 WATTS

ONE TO FOUR OUTPUTS - 20A CAPABILITY ON V4!

POWER FACTOR CORRECTED 90-264 VAC



FEATURES:

- Low Profile 2.05" x 5" x 8.80" in Size
- One to Four outputs
- Meets EN55022 Level A / FCC Class A
- No Additional Cooling Required up to 50 °C
- Power Factor Corrected Input (90-264VAC)
- Active Current Share Capability
- Greater than 150,000 Hrs MTBF



	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	2 to 48	50	400
V2	5 to 24	12	180
V3	5 to 24	5	60
V4	2 to 24	20	180

SPXL-400 SERIES

400 WATT COMPACT SIZE

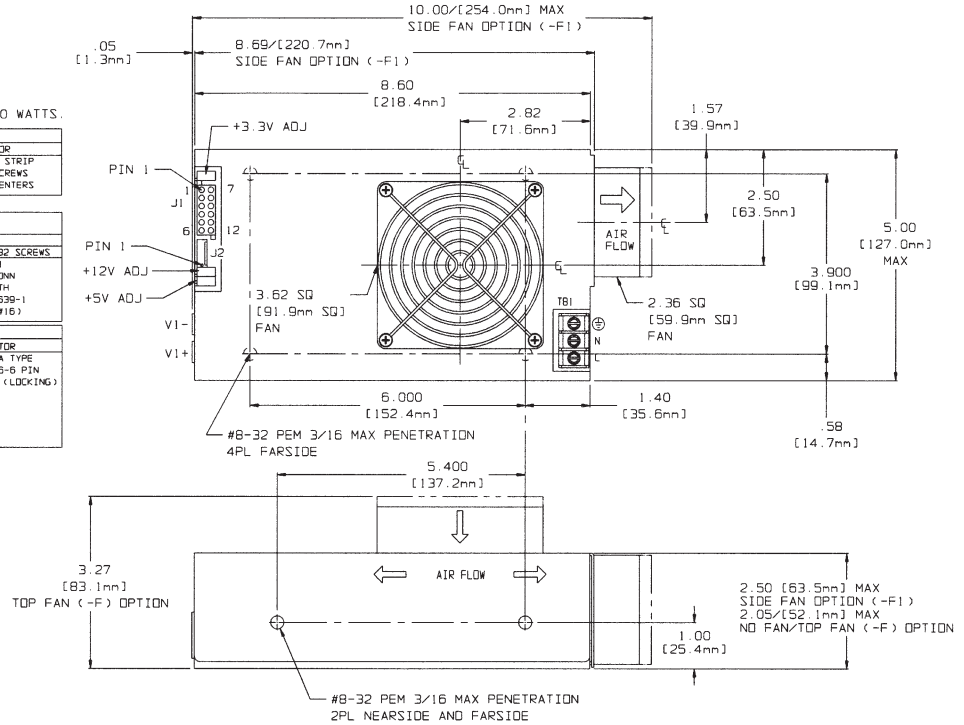
NOTES:

1. TOTAL OUTPUT POWER NOT TO EXCEED 400 WATTS.

AC INPUT (90-264 VAC CONTINUOUS RANGE)			
FUNCTION	115VAC	230 VAC	CONNECTOR
TBI-(L)	LINE	LINE 1	BARRIER STRIP
TBI-(N)	NEUTRAL	LINE 2	#8-32 SCREWS
TBI-(GND)	SAFETY GROUND	SAFETY GROUND	.325" CENTERS

DC OUTPUTS			
FUNCTION	DESCRIPTION	LOCATION	CONNECTOR
OUTPUT #1	+5V/20A	MAIN OUTPUT	BUS BARS #8-32 SCREWS
OUTPUT #2	+12V/12A	J1-4, 10	AMP #770521-1
	RTN (COMMON)	J1-5, 11	MATES WITH CONN
OUTPUT #3	-12V/5A	J1-6, 12	#770581-1 WITH
OUTPUT #4	+3.3V/20A	J1-3, 8, 9	SOCKETS #171639-1
	RTN	J1-1, 2, 7	(ANG #20 TO #16)

STATUS AND CONTROL			
FUNCTION	LOCATION	NOTES	CONNECTOR
REMOTE SENSE	J2-1	OUTPUT #1 SENSE	AMP MTA TYPE
	J2-2	OUTPUT #1 SENSE RTN	#640456-6 PIN
N/C	J2-3	REFERENCE TO COMMON	HEADER (LOCKING)
FAULT	J2-5	COMMON	
CURRENT SHARE	J2-6		
AC FAIL / DC POWER GOOD	J2-4	REFERENCE TO COMMON	



Nominal Input Voltage	115-240 VAC.
Frequency	47-63 Hz , 400Hz. available.
Operational Input Voltage Range	90-264 VAC Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.
Inrush Current	Less than 4 msec. 30 amperes @ 115 VAC or 60 amperes @ 230 VAC.
Brownout Protection:	Holds Regulation to 85 Vac.
Fusing	10 Ampere, 250 VAC, Internal ceramic body fuse.
Hold up time	20msec minimum after loss of AC Input at full load and nominal input
Efficiency	75% typical
Turn on time	Less than 1 sec.
Line and Load Regulation	All outputs hold 1% over AC input range and 0 to 100% load. 5% minimum load required on V1 for full load regulation on V2.
Adjustability	Outputs #1, #2 and #4 adjustable ± 5% minimum. Output #3 fixed.
Ripple & Noise	1% PARD or 100mv which ever is greater. 20MHz bandwidth.
Transient Response	Output maximum excursion of ± 5% for 50% 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.
Output Isolation	Isolated from ground 50 Vdc.
Peak Output Current	Peak current can be delivered for a maximum period of 30 seconds.

Reverse Voltage	Protected against reverse voltage to supply current rating.
Overvoltage Protection	Shutdown at 130% of nominal Vout (V1-V4).
Overtemperature Protection	Unit shuts down if overheated. AC must be recycled.
Cooling	-F1 models equipped with Integral fan, up to 50°C Ambient full power. Models without -F1 fans, user provides min. 30 CFM.
Input/Output Isolation	4242 VDC, SELV construction.
Remote Sense (V1 Output)	Up to 0.5 volts total in load. Open Sense Lead Protection
Remote On/Off	Open to Run, Contact closure to return , turns off all outputs.
Power Fail / DC Power Good	Provides TTL "0" 5ms before output voltage goes out of regulation band upon loss of AC power. Also Provides TTL "1" open collector when output #1 is above 4.6V (for 5V nominal output).
Operating Temperature	-20°C to 50°C full output.
Stability	All outputs 0.1% for 8 hrs. after 30 minute warm-up.
Humidity	Up to 95% non-condensing.
Size	2.05"x 5"x 8.6" Weight: 6 lbs.
EMI	Meets FCC Class A and EN55022 Level A
Safety	UL 1950, CSA C22.2 No. 950, EN60950.

SERIES BREAKDOWN: SPXL-400X1-P-(F1)
 where X1= S for Single output, D for Dual output, T for Triple output or Q for Quad output
 Leave off the -(F1) if the user will provide cooling.