



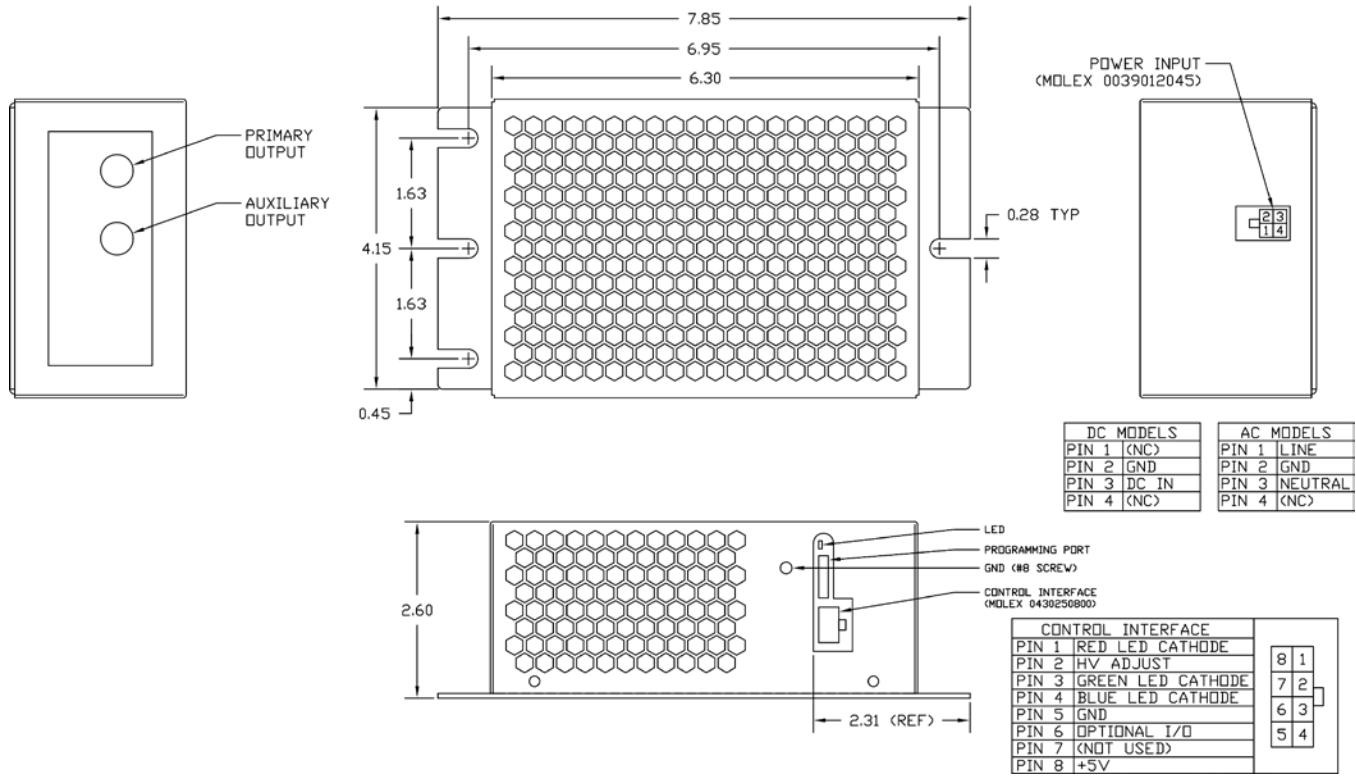
SPL-A Series

Microprocessor-Controlled
Air Ionizer Power Supply

- 24VDC and Universal AC Input Versions
- Up to 50W of output power
- Unlimited output arc and short-circuit protection
- Multiple Status Indicator LEDs
- Ionizer and collector outputs
- Fixed or user-adjustable ionizer output (50% to 100% output)
- Over-voltage, over-current, over temperature shutdown
- Auto reset of faults
- Available in positive or negative versions
- Software customizable performance



	Conditions	Value	Units
Input			
Input Voltage	All Versions	108 - 264Vac / 21 - 28Vdc	-
Power	At Max load	65	W
Output			
Voltages Available	Primary Output / Auxiliary Output	15 / 7.5	kV DC max
Voltage Adjustment	0 - 5 VDC Input	50% to max Vo	-
Power	Nominal Input, Max Vo	50	W
Current, Primary Output	Nominal Input, Max Vo	3.4	mA
Regulation, Primary Vo	Any Static Load, Max Vo	<0.2%	V DC
Ripple	Full Load, Max Vo	<3%	V p-p
Line Regulation	Over input V range, Full Power	<0.1%	V DC
Stability	Over 8hr, 30 min warm up	<0.2%	V DC
Current, Alternate Output	Nominal Input, Max Vo, unregulated	300	uA
Control & Monitoring			
	Indicator	User Output	
Over Voltage	Purple	10ma sink	>15% over set voltage
Over Current	Red	5ma sink	>10% over max current
Under Voltage	Blue	5ma sink	>10% under set voltage
Over Temperature	Yellow	10ma sink	>85°C internal temp.
Normal Operation	Green	5ma sink	
Environmental			
Operating Temperature	Case Temp, Full Load, Max Vo	0 to +60	°C
Temp. Coefficient	Over the Operating Temperature	0.05	%/°C
Storage	Non-Operating, Case Temp	-40 to +85	°C
Humidity	Non-Condensing	0 to 95%	RH
Altitude	Standard Operating Conditions	0 to 10000	Feet



Part Number	Input Voltage	Output Voltage	Collector Output (50% of Ionizer)	Polarity	Output Power
SPL-A-AC-15P50	AC Input (108 – 264 VAC)	7.5kV to 15kV	3.75kV to 7.5kV	Positive	50 Watts
SPL-A-AC-15N50	AC Input (108 – 264 VAC)	-7.5kV to -15kV	-3.75kV to -7.5kV	Negative	50 Watts
SPL-A-DC-15P50	DC Input (21 – 28 VDC)	7.5kV to 15kV	3.75kV to 7.5kV	Positive	50 Watts
SPL-A-DC-15N50	DC Input (21 – 28 VDC)	-7.5kV to -15kV	-3.75kV to -7.5kV	Negative	50 Watts

Additional Features:

- Fixed outputs available with Universal input
- Factory adjustable fault set points
- Factory programmable soft start options
- LED configurations factory adjustable
- Voltage step down function on fault available
- Factory adjustable time delay on fault restarts
- Factory adjustable fault lockout counter
- Contact factory for custom requests!

