



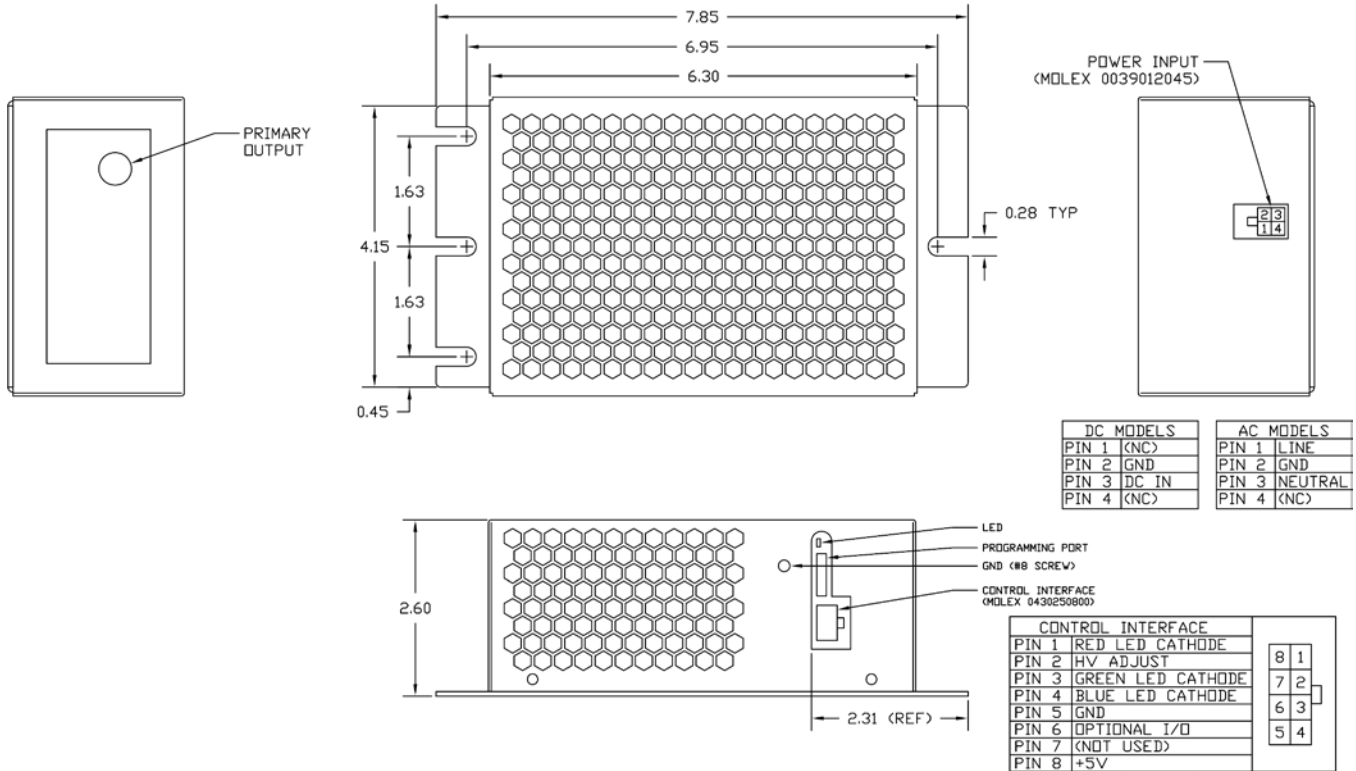
**HVPSI**

**SPL-I Series**  
Microprocessor-Controlled  
Industrial Power Supply

- 24VDC and Universal Input Versions
- Up to 50W of output power
- Unlimited output arc and short-circuit protection
- Multiple Status Indicator LEDs
- Fixed or user-adjustable 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	
<b>Input</b>				
<b>Input Voltage</b>	All Versions	108 – 264Vac /21 - 28Vdc	-	
<b>Power</b>	At Max load	65	W	
<b>Output</b>				
<b>Voltages Available</b>	Primary Output	15	kV DC max	
		30	kV DC max	
<b>Voltage Adjustment</b>	0 – 5 VDC Input	50% to max Vo	-	
<b>Power</b>	Nominal Input, Max Vo	50	W	
<b>Current, Primary Output</b>	Nominal Input, Max Vo	3.4@15kV or 1.7@30kV	mA	
<b>Regulation, Primary Vo</b>	Any Static Load, Max Vo	<0.2%	V DC	
<b>Ripple</b>	Full Load, Max Vo	<3%	V p-p	
<b>Line Regulation</b>	Over input V range, Full Power	<0.1%	V DC	
<b>Stability</b>	Over 8hr, 30 min warm up	<0.2%	V DC	
<b>Control &amp; Monitoring</b>				
	Indicator	User Output		
<b>Over Voltage</b>	Purple	10ma sink	>15% over set voltage	%
<b>Over Current</b>	Red	5ma sink	>10% over max current	%
<b>Under Voltage</b>	Blue	5ma sink	>10% under set voltage	%
<b>Over Temperature</b>	Yellow	10ma sink	>85°C internal temp.	°C
<b>Normal</b>	Green	5ma sink		
<b>Environmental</b>				
<b>Operating Temperature</b>	Case Temp, Full Load, Max Vo	0 to +60	°C	
<b>Temp Coefficient</b>	Over the Operating Temperature	0.05	% / °C	
<b>Storage</b>	Non-Operating, Case Temp	-40 to +85	°C	
<b>Humidity</b>	Non-Condensing	0 to 95%	RH	
<b>Altitude</b>	Standard Operating Conditions	0 to 10000	Feet	



Part Number	Input Voltage	Output Voltage	Polarity	Output Power
SPL-I-AC-15P50	AC Input (108 – 264 VAC)	7.5kV to 15kV	Positive	50 Watts
SPL-I-AC-15N50	AC Input (108 – 264 VAC)	-7.5kV to -15kV	Negative	50 Watts
SPL-I-AC-30P50	AC Input (108 – 264 VAC)	15kV to 30kV	Positive	50 Watts
SPL-I-AC-30N50	AC Input (108 – 264 VAC)	-15kV to -30kV	Negative	50 Watts
SPL-I-DC-15P50	DC Input (21 – 28 VDC)	7.5kV to 15kV	Positive	50 Watts
SPL-I-DC-15N50	DC Input (21 – 28 VDC)	-7.5kV to -15kV	Negative	50 Watts
SPL-I-DC-30P50	DC Input (21 – 28 VDC)	15kV to 30kV	Positive	50 Watts
SPL-I-DC-30N50	DC Input (21 – 28 VDC)	-15kV to -30kV	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!

