



## SVL SERIES: ESSENTIAL POWER SUPPLIES

SVL Series power supplies are perfect for high volume, controlled environment applications where essential features are the only requirement. When space inside an enclosure is at a premium, their small footprint makes these power supplies an excellent alternative to embedded open frame switchers. The DIN rail mounting capability provides quicker and easier installation while allowing for design flexibility.

These power supplies range from 15 to 480 Watts in 5, 12, 24 and 48 Volt combinations.

### SUITABLE APPLICATIONS

- Test and Measure Equipment
- Scanners
- Instrumentation
- Printers peripheral
- ATM Machines
- Vending Machines
- Semiconductor Fabrication Equipment

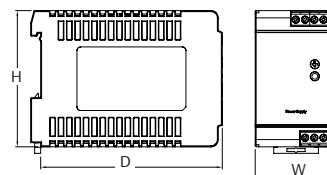
### ESSENTIAL FEATURES

- Universal Input
- Protection
  - Short Circuit
  - Over Voltage
  - Overload
  - Over Temperature
- Power Factor Correction
- Convection Cooling
- DC OK LED
- Blinking OCP Diagnostic
- DC OK Relay for >120 Watts models
- 2 year limited warranty

### CERTIFICATIONS AND COMPLIANCES

- Listed, Industrial Control Equipment, E61379
  - UL 508, CSA C22.2 No. 107.1
- Recognized Component, ITE, E137632
  - UL 60950-1/CSA C22.2 No. 60950-1, 2nd Edition
- - IEC/EN60950-1, 2nd Edition.
  - Model SVL 1-24-100, SVL 3-5-100, SVL 4-12-100, SVL 2-24-100 were evaluated for NEC Class 2 outputs.
- RoHS Compliant

### DIMENSIONS



Catalog Number	Dimension in Inches (Millimeters)		
	H	W	D
<b>SVL 3-5-100</b>	2.95 (75.0)	0.82 (21.0)	3.52 (89.5)
<b>SVL 1-24-100</b>	2.95 (75.0)	0.82 (21.0)	3.52 (89.5)
<b>SVL 6-5-100</b>	2.95 (75.0)	1.18 (30.0)	3.52 (89.5)
<b>SVL 4-12-100</b>	2.95 (75.0)	1.18 (30.0)	3.52 (89.5)
<b>SVL 2-24-100</b>	2.95 (75.0)	1.18 (30.0)	3.52 (89.5)
<b>SVL 4-24-100</b>	2.95 (75.0)	1.77 (45.0)	3.93 (100.0)
<b>SVL 2-48-100</b>	4.84 (123.6)	1.57 (40.0)	4.63 (117.6)
<b>SVL 5-24-100</b>	4.84 (123.6)	1.57 (40.0)	4.63 (117.6)
<b>SVL 10-24-100</b>	4.87 (123.6)	2.36 (60.0)	4.63 (117.6)
<b>SVL 20-24-100</b>	4.87 (123.6)	3.37 (85.5)	5.06 (128.5)



**Toll-Free: 877.268.3700**

For product information:  
[www.solahd.com](http://www.solahd.com)  
 1.800.377.4384



**EMERSON. CONSIDER IT SOLVED.™**

Max. Power	15W	30W	48W	50W	96W	120W	240W	480W
Input								
Input Voltage Range	85-264 Vac							
- AC Range	100–240 Vac							
- DC Range <sup>①</sup>	120-375 Vdc							
- Inrush Current Max.	35 A@115 Vac 65 A@230 Vac	35 A@115 Vac 60 A@230 Vac				20 A typ.@115 Vac 40 A typ.@230 Vac		40 A typ.@115 Vac 80 A typ.@230 Vac
Power Factor Correction	Meets EN61000-3-2 Class A				Active PFC >.90	Meets EN61000-3-2 Class A	Active PFC >.95	
Environmental Data								
Operating Temperature	-20 °C to +70 °C (Refer to catalog specs for output derating curves)							
Storage Temperature	-40 °C to +85 °C							
Protection								
Overvoltage Protection	Latch mode, re-power to recover							
Overload Protection	Hiccup, auto-recovery	Current foldforward and then hiccup, auto-recovery				105-150% of rated load; constant current and then hiccup, auto-recovery		
Over Temperature Protection	No component damage, latch mode, re-power to recover							
Short Circuit	Hiccup mode, non-latching, auto-recovery							
Reliability								
MTBF	> 350 khrs (115 Vac/230 Vac @ 25 °C) as per Telcordia SR-332 issue 3 Jan 2011.					> 700 khrs (115 Vac & 230 Vac @ 25 °C) as per Telcordia SR-332 issue 3 Jan 2011		
EMC								
Galvanic Isolation	I/P to O/P: 3K Vac; I/P to GND: 1.5K Vac; O/P to GND: 0.5K Vac					I/P to O/P: 3K Vac; I/P to GND: 2K Vac; O/P to GND: 0.5K Vac		
Emissions	EN55022 (CISPR22) Class B, EN55011 Class B, EN61000-6-3, EN61000-6-4, EN61000-3-3, EN61204-3, EN61000-3-2 Class A							
Immunity	EN55024, EN61000-6-1, EN61000-6-2 (EN61000-4-2, 3, 4, 5, 6, 8, 11, 12) Level 3, Performance Criteria A					EN55024, EN61000-6-1, EN61000-6-2 (EN61000-4-2, 3, 4, 5, 6, 8, 11, 12) Level 3, Performance Criteria A, SEMI F47 @ 200 Vac		
General								
LED Signals	GREEN light = DC OK , OCP = blinking							

Power	Catalog Number	DC Output Voltage	Output Current	Tolerance	Ripple & Noise	Efficiency	Unit Weight lb (g)	Shipping Weight lb (g)		
15 W	SVL 3-5-100	5 V	3 A	+/-2%	<75 mVp-p	79% typ.	0.242 (110)	0.309 (140)		
30 W	SVL 1-24-100	24 V	1.25 A			88% typ.				
	SVL 6-5-100	5 V	6 A			80% typ.	0.368 (167)	0.419 (190)		
50 W	SVL 4-12-100	12 V	4 A			88% typ.	0.390 (177)	0.478 (217)		
	SVL 2-24-100	24 V	2.1 A			89% typ.	0.698 (317)	0.816 (370)		
96 W	SVL 4-24-100		4 A		<120 mVp-p	88% typ.	1.190 (540)	1.460 (660)		
120 W	SVL 2-48-100	48 V	2.5 A				<100 mVp-p	88% typ.	1.760 (800)	2.090 (950)
	SVL 5-24-100	24 V	5 A						2.870 (1300)	3.200 (1452)
240 W	SVL 10-24-100		10 A							
480 W	SVL 20-24-100		20 A							

① DC input range based on product functional performance, not UL Listed.



**Toll-Free: 877.268.3700**

For product information:  
www.solahd.com  
1.800.377.4384



**EMERSON. CONSIDER IT SOLVED.™**

Gross Automation 3680 N. 126th St., Brookfield, WI 53005 Toll-Free: 877-268-3700 sales@grossautomation.com www.solahevidutysales.com