



## 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

### ESSENTIAL FEATURES

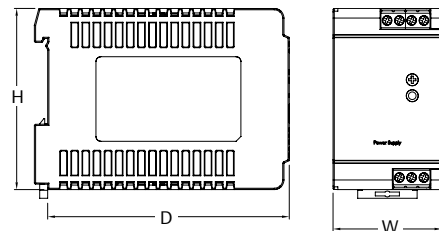
- Universal Input
- Protection
  - Short Circuit
  - Over Voltage
  - Overload
  - Over Temperature
- Convection cooling
- DC OK LED
- DC OK Relay on high power models
- 2 year warranty

### CERTIFICATIONS AND COMPLIANCES

- **UL** Listed, Industrial Control Equipment, E61379
  - UL 508, CSA C22.2 No. 107.1
- **RUS** Recognized Component, ITE, E137632
  - UL 60950-1/CSA C22.2 No. 60950-1, 2nd Edition
- **CE**
  - 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 (HxWxD)

- **SVL 3-5-100, SVL 1-24-100:**  
75mm x 21mm x 89.5mm (2.95" x 0.83" x 3.52")
- **SVL 6-5-100, SVL 4-12-100, SVL 2-24-100:**  
75mm x 30mm x 89.5mm (2.95" x 1.18" x 3.52")
- **SVL 4-24-100:**  
75mm x 45mm x 100mm (2.95" x 1.77" x 3.94")
- **SVL 5-24-100, SVL 2-48-100:**  
128.8mm x 40mm x 125.8mm (5.07" x 1.57" x 4.95")
- **SVL 10-24-100:**  
128.8mm x 60mm x 151mm (5.07" x 2.36" x 5.94")
- **SVL 20-24-100:**  
128.8mm x 95mm x 151mm (5.07" x 3.74" x 5.94")



**SOLA**HD

For product information:  
www.solahd.com  
1.800.377.4384

  
**EMERSON**

EMERSON. CONSIDER IT SOLVED.™

## GENERAL SPECIFICATIONS

Description	15 W	30 W	50 W	100 W	120 W	240 W	480 W
<b>Input</b>							
<b>Voltage Range</b> ①	85-264 Vac / 120-375 Vdc						
<b>Max Inrush Current</b>	35A/115 Vac; 65A/230 Vac				20A/115 Vac; 40A/230 Vac		
<b>Output</b>							
<b>Tolerance</b>	+/-2%						
<b>PARD (@ 25 °C)</b> ②	< 75 mVp-p				< 120 mVp-p		
<b>General</b>							
<b>EMC</b>	CISPR22, EN55022, EN55011, Class B, EN 61000-6-1, EN 61000-6-3, EN55024, SEMI F47 (120-480 W models)						
<b>Environment</b>							
<b>Over Temperature Protection</b>	Shut down output voltage, repower on to recover						
<b>Operating Temp</b>	-20 °C to +70 °C (See user manual for de-rating curves);						
<b>Humidity</b>	5 to 95% RH Non-condensing						

Power	Catalog Number	DC Output Voltage	DC Output Voltage Range	Output Current	Overload Protection	Unit Weight kg (lb)
15W	<b>SVL 3-5-100</b>	5 V	5-5.5 V	3 A	Auto-recovery	0.11 (0.24)
30 W	<b>SVL 1-24-100</b>	24 V	24-28 V	1.25 A		
	<b>SVL 6-5-100</b>	5 V	5-5.5 V	6 A		
50 W	<b>SVL 4-12-100</b>	12 V	12-15 V	4 A	Current foldforward; Auto-recovery	0.18 (0.40)
	<b>SVL 2-24-100</b>	24 V	24-28 V	2.1 A		
100 W	<b>SVL 4-24-100</b>			4 A		
120 W	<b>SVL 5-24-100</b>	48 V	44-56 V	5 A	Constant Current; Auto-recovery	TBD
	<b>SVL 2-48-100</b>			2.5 A		
240 W	<b>SVL 10-24-100</b>	24 V	22-28 V	10 A		
480 W	<b>SVL 20-24-100</b>			20 A		

① Not UL listed for DC input  
 ② SVL 2-48-100 (120 W) is <150 mVp-p

**SOLAHD**

United States: 1.800.377.4384 | Asia/Pacific: + 65.6891.7600 | Australia: + 61.3.9721.0348  
 Brazil: São Paulo/SP + 55.11.2122.5777 | Brazil: Camaçari/BA + 55.71.3496.4427 | Canada: + 1.888.765.2226  
 China: + 86.21.3418.3888 | Europe: + 33.3.2254.1390 | Mexico/Latin America: + 52.55.5809.5049  
 Middle East/Africa/India: + 971.4.811.8100  
[www.solahd.com](http://www.solahd.com)

  
**EMERSON**