

**25W, 90-264Vac Input, Single Output Enclosed Power Supply**
**RoHS  
Compliant**
**■ Features**

- Single output to 25W
- Input voltage range: 90-264Vac
- Output current(1100mA-5000mA)
- Efficiency to 85%
- Protections: OLP, SCP, and OVP
- Miniature size, high power density, high efficiency, long life and high reliability
- 3-year Warranty
- Withstand 300VA surge input for 5 secs.



\*Product images are for illustrative purposes only and may vary from actual design.

**■ Applications**

- Suitable for critical applications

**■ Model List\***(See part number scheme for model number details)

Model Number	Input Voltage	Output Power	Output Voltage	Output Current Min.	Output Current Max. NOTE 1	Efficiency 115/230Vac	Certifications
SPL-025-1031	90–264Vac	25W	3.3V	0	5A	70%/71%	UL/cUL
SPL-025-1051	90–264Vac	25W	5V	0	5A	76%/78%	UL/cUL
SPL-025-1121	90–264Vac	25W	12V	0	2.1A	80%/82%	UL/cUL
SPL-025-1151	90–264Vac	25W	15V	0	1.6A	82%/83%	UL/cUL
SPL-025-1241	90–264Vac	25W	24V	0	1.1A	84%/85%	UL/cUL

**■ Technical Data**

Ripple and Noise -25-70°C	<50mV(3.3V, 5V), <120mV(12V, 15V, 24V) (NOTE 2)
Voltage adjustment range	-5% to +10% of rated output voltage
Voltage Accuracy	±2%(3.3V, 5V), ±1%(12V, 15V, 24V)
Line Regulation	±0.5%
Load Regulation	±2%(3.3V, 5V), ±1%(12V, 15V, 24V)
Set-up Time	<2S @115Vac, <1S @230Vac (full load)
Hold up Time	>14mS (115Vac input, Full load), >30mS (230Vac input, Full load)
Temperature Coefficient	±0.03%/°C
Overshoot and Undershoot	<5%
Voltage Range	90Vac~264Vac
Frequency Range	47Hz~63Hz
AC Current (max.)	0.7A(max.)
Inrush Current (Typical)	<20A@115Vac <40A@230Vac Cold start
Leakage Current	Input—output: <0.25mA Input—PG: <0.75mA
Over Load	105%~150% of rated output current, constant power, hiccup mode, auto recovery
Over Voltage	105%~150% of rated output voltage, constant voltage
Short Circuit	Long-term mode, auto recovery

**Technical Sales / Customer Service:** +1-818-338-7788 • Email: [sales@autec.com](mailto:sales@autec.com)

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • [www.autec.com](http://www.autec.com)

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## ■ Technical Data(cont.)

Operating amb. Temp. & Hum.	-25°C~70°C; 20%~90%RH No condensing (refer to the derating curve)
Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH No condensing
MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)
Dimension (L*W*H)	79×51×28.8mm
Packing	48PCS/CTN, 10.4KGS, 0.03CBM
Cooling method	Cooling by free air convection

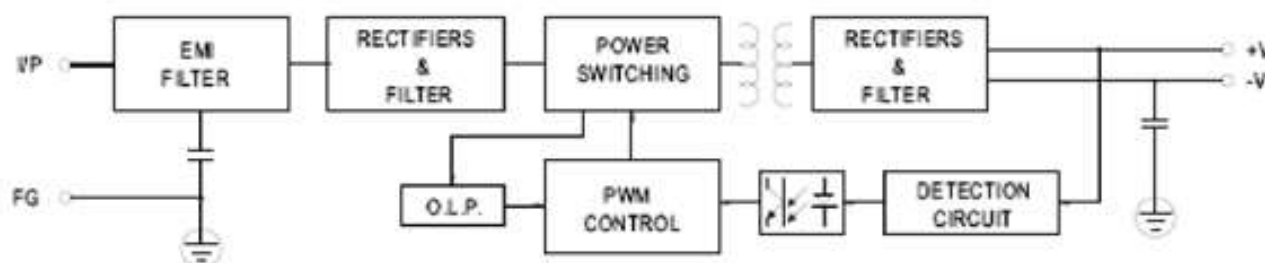
## ■ Safety and EMC Approval(NOTE 3)

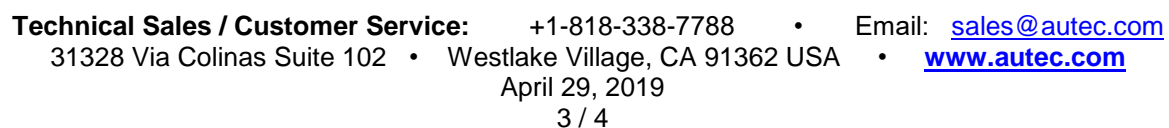
Safety Standards	UL60950-1(2nd Ed); IEC 60950-1:2005(2nd Ed); EN60950-1:2006
Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC; ≤10mA.
Isolation Resistance	≥100M ohms
EMC Emissions	Compliance to EN55022, EN55024 Class B
Harmonic Current	Compliance to EN61000-3-2,-3
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, EN61000-6-2 heavy industry level

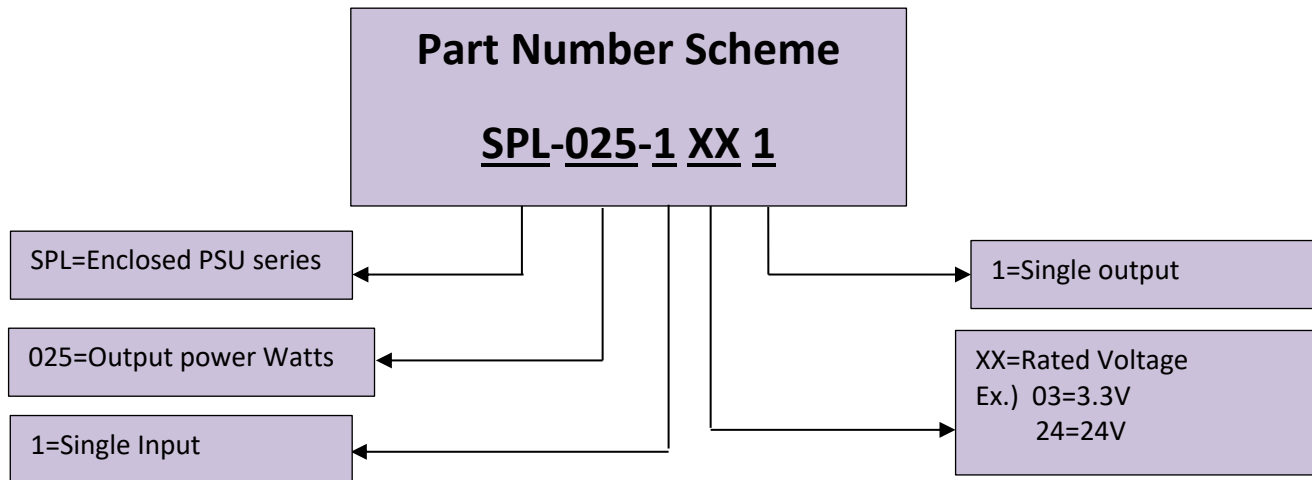
### Notes:

1. All parameters not specifically mentioned are measured at rated input, rated load and 25°C of ambient temperature.
2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. The SPS is considered a component which will be installed into final power supply. The unit must be re-confirmed that it still meets EMC directives.

## ■ Block Diagram







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**\*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**