

■ Features

- Single output from 26-48W
- Input voltage range: 90-264V
- Output current(0-8000mA)
- 2"x 4" form factor
- High variety of output voltages from 3.3Vdc-48Vdc
- Efficiency to 86%
- Protections: OVP, SCP, and OLP
- UL/cUL60950, TUV60950 and CE Certifications



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

■ Applications

- Network system, telecommunication system, storage system, industrial equipment, and consumer electronics

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

Model Number	Input Voltage	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Ripple & Noise NOTE 2	Certificates
SP45G-1031	90–264Vac	26.5W	3.3V	0	8A	76%	80mV	UL/cUL/TUV/CE
SP45G-1051	90–264Vac	40W	5V	0	8A	80%	80mV	UL/cUL/TUV/CE
SP45G-1121	90–264Vac	48W	12V	0	4A	83%	120mV	UL/cUL/TUV/CE
SP45G-1151	90–264Vac	48W	15V	0	3.2A	84%	150mV	UL/cUL/TUV/CE
SP45G-1241	90–264Vac	48W	24V	0	2A	85%	200mV	UL/cUL/TUV/CE
SP45G-1481	90–264Vac	48W	48V	0	1A	86%	300mV	UL/cUL/TUV/CE

■ Technical Data

Voltage Adjustment Range	3.1-3.6V, 4.5-5.5v, 10-13V, 13.5-18V, 22-27V, 44-52V
Voltage Tolerance NOTE 3	±2%(3.3V-15V), ±1%(24V,48V)
Rise Time	<30ms at full load
Set up time (Max.)	500ms/230Vac, 500ms/115vac, at cold first start
Hold Time(Typ.)	60ms/230Vac, 13ms/115Vac, at full load
Voltage Range	90Vac-264vac, 127Vdc-370Vdc
Frequency Range	47-63Hz
AC Current(Max.)	1.5A@115Vac, 1A@230Vac
Inrush Current(Max.)	30A@115Vac, 65A@230Vac (Cold Start)
Leakage Current	<0.75mA@240Vac
Over Load Protection	115-150% rated output power Type: Hiccup mode, Recovers automatically after fault condition is removed
Short circuit protection	Type: Hiccup mode, Recovers automatically after fault condition is removed
Over Voltage Protection	Type: Latch mode, re-power on to recover

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■ Technical Data(cont.)

Operating Temperature	-20°C-70°C (refer to derating curve)
Operation Humidity	20%-95% RH non-condensing
Storage Temperature	-40-80°C
Storage Humidity	10%-95% RH
Vibration	10-500Hz, 2G 10 min./1 cycle, period for 60 min. each along the X, Y, Z axes.
MTBF	450,000 hour's min. MIL-HDBK-217F (25°C)
Dimension(L*W*H)	101.6*50.8*30mm
Packing(L*W*H)/carton	525*277*237
Weight	0.145KG/PCS Net Weight: 15Kg/Carton

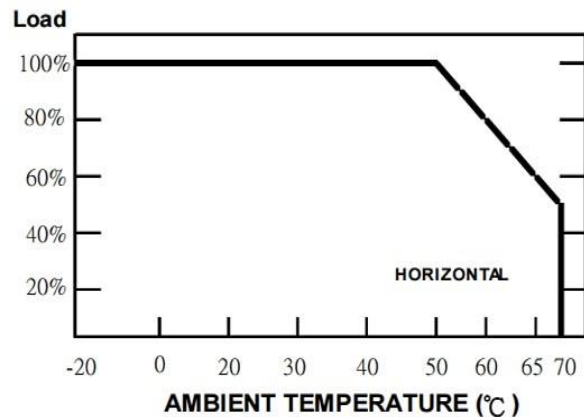
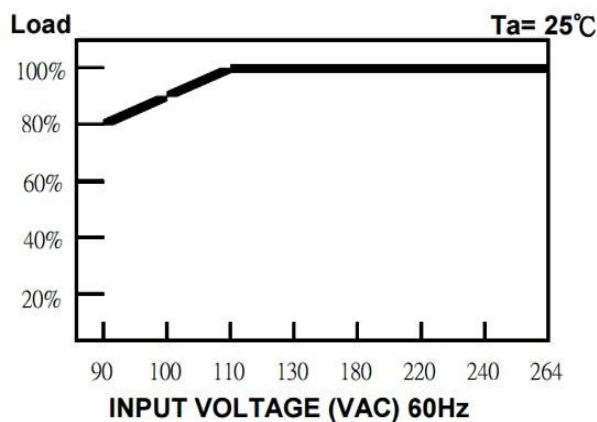
■ Safety and EMC Approval

Safety Certificates	UL/cUL60950 / TUV EN60950 / CE / CB
Withstand Voltage	I/P-O/p: 3Kvac, I/P-FG: 1.5Kvac, O/P-FG: 0.5Kvac
Isolation Resistance	100M ohms/500Vdc at 25°C: I/P-O/P, I/P-FG, O/P-FG
EMI Conduction & Radiation	Compliance to EN55022 class B, CISPR22 class B
Harmonic Current	Compliance to EN61000-3-2,3.
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11 Light industry level, criteria A

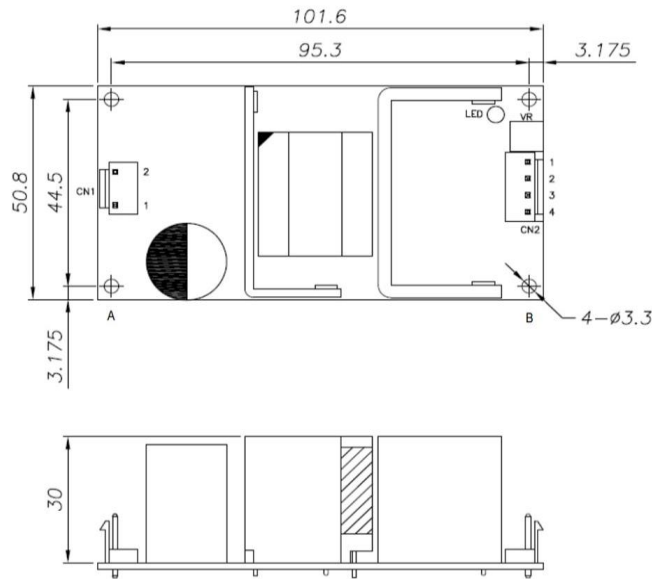
Notes:

1. All specification not specifically mentioned are measured at 230Vac and 25°C ambient temperature.
2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor.
3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.
4. The power supply is considered a component which will be installed into a final equipment. The Final equipment must be tested that it still meets EMC directives.
5. Mounting Holes A, B must be grounded for EMI and Safety purposes.

■ Derating Curve



■ Mechanical Diagram

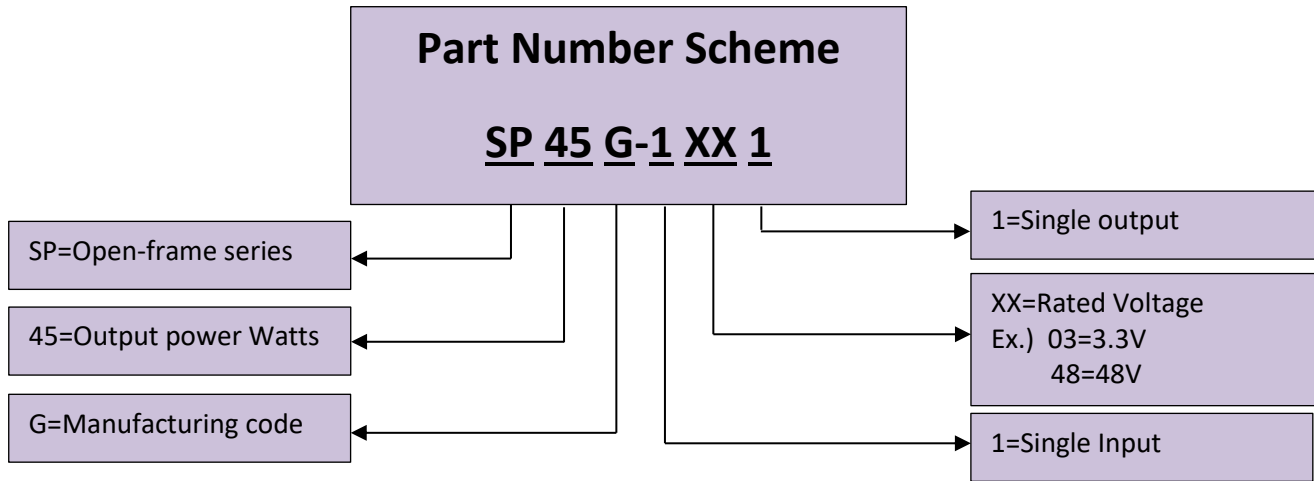


AC Input Connector (CN1): WST M3-I39606S or Equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	WST P3-I39606 or Equivalent	WST I39606PS-2 or Equivalent
2	AC/L		

DC Output Connector (CN2): WST M4-I39606S or Equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	+V	WST P4-I39606 or Equivalent	WST I39606PS-2 or Equivalent
3,4	-V		



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