



# 100W STNADARD SWITCHING POWER SUPPLY SINGLE OUTPUT



## ■Applications

- .Industrial automation machinery
- .Mechanical,electrical equipment
- .LED slim lighting equipment
- .IT communication equipment
- .Aging equipment

## ■Features

- Over-load,Over-temp. protection
- cooling by free air convection
- LED power indicator
- 100% full load burn-in test
- No-load consumption<0.7W
- Withstand 300VAC surge input for 5 seconds
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency,long life,high reliability
- 2 years warranty

( Dimension )

L:190 mm

W:50 mm

H:31mm

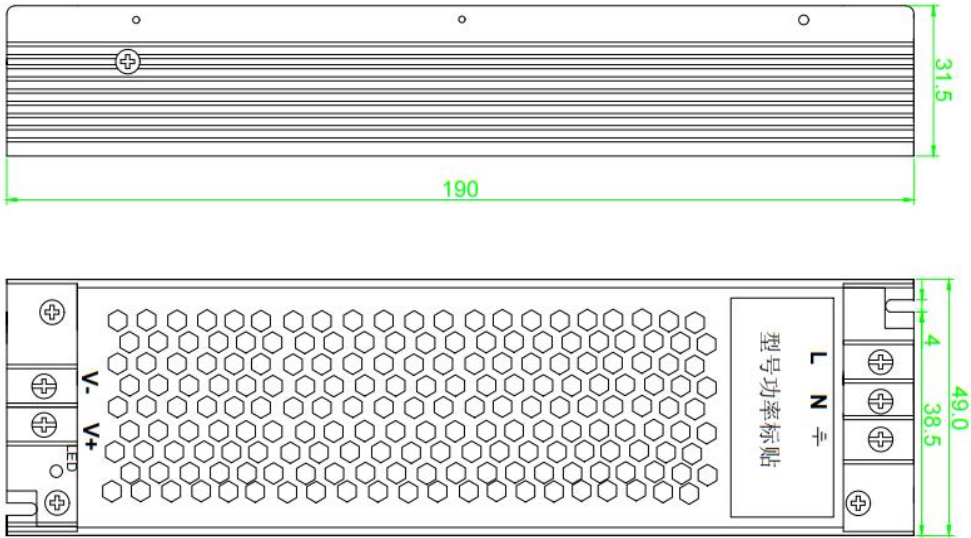
Weight: 0.27Kg

## Specifications

Product No.		SLC-100-12	SLC-100-24
Output	DC voltage	12V	24V
	Rated Current	8.3A	4.17A
	Current Range	0-8.3A	0-4.17A
	Rated Power	100W	100W
	Ripple and Noise(Max)Note.2	150mVp-p	240mVp-p
	Voltage adjustment	10.8-13.2V	22-27.6V
	Voltage tolerance Note3	±1%	±1%
	Linear Regulation Note4	±0.5%	±0.5%
	Load Regulation Note5	±0.5%	±0.5%
	Setup and rise time	1000ms,30ms/230VAC 1000ms,30ms/110V	
	Hold up time (Typ)	50ms/230VAC 10ms/115AC	
Input	Voltage range	100-240VAC	
	Frequency range	50HZ/60HZ	
	Efficiency (Typ)	83%	85%
	AC current (Typ)	2.1A/110V 0.95A/220V	
	Surge (Inrush) current (Typ)	Cold start: 65A/230VAC	
	Leakage Current	<2mA/240VAC	
Protection	Overload	>105% rated output power	
		Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over temperature	Overheat protection starts when temperature in transistor over 140℃	
		Recovers automatically after temperature is normal.	
Environment	Working temp.	-20～+60℃ (Please refer to the attenuation curve)	
	Working humidity	20～90% RH,Non-condensing	
	Storage temp & hmdty	-40～+80℃	
	Temp. coefficient	±0.03%/℃ (0～50℃)	
	Vibration proof	10～500HZ,5G 10min/1 cycle, period for 60min. each along X、Y、Z axes	
Safety reg. & EMC (Note.6)	Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)	
	Voltage proof	I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	Isolation resistance	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH	
	EMC irradiation	EN 55032:2015+A11:2020;EN55035:2017+A11:2020	
	EMC disturbance proof	EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019	
Others	Dimensions	190*50*30mm(L*W*H)	
	Packing	0.23kg/PCS;60PCS/13.8kg	
Remark	1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25℃ environment temp. 2.Ripple and noise: measured with a 12” double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth. 3.Tolerance(Accuracy): including preset errors, linear adjustment rate and load adjustment rate. 4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load. 6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.		

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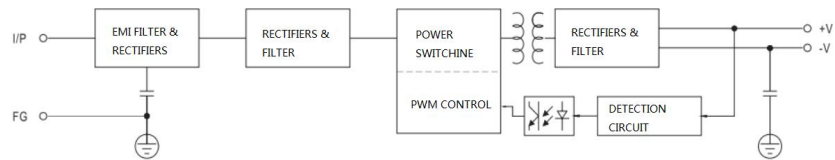
## Appearance



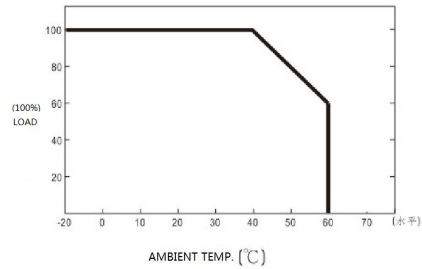
Definitionn the pin of the terminal

Pin number	Pin function
1	OUTPUT+
2	OUTPUT+
3	OUTPUT-
4	OUTPUT-
5	FG
6	AC/N
7	AC/L

## Frame diagram



## Derating curve



## Static Characteristics

