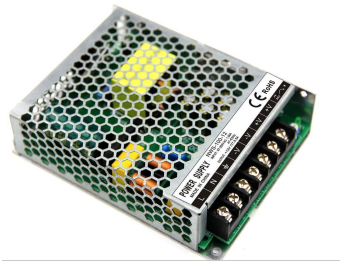
TOP DRIVER®

SIZE:
L:128mm
W:98mm
H:30mm

100W LED POWER SUPPLY SINGLE OUTPUT



- AC input: 87-264V
- Protection: short-circuit, overload,over voltage, over temperature
- 100% full-load aging test
- 300VAC surge for 5 seconds withstandable
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency, long life span, and high reliability, low cost
- IP20 grade
- 3 years warranty

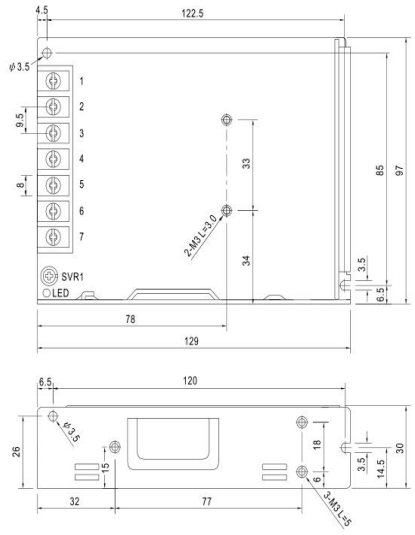
■Application

***Industrial automation machinery**
***industrial control system**
***LED lighting**
***Mechanical and electrical equipment**
***Electronic instruments,equipments or apparatus**

Specifications

Product No.		NWS-100-12	NWS-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 Accuracy Note3	±1%	±1%
	Linear Adjustment Note4	±0.5%	±0.5%
	Load Adjustment Note5	±0.5%	±0.5%
	Start and rise time		
	Hold time（Typ）		
Input	Voltage range		
	Frequency range		
	Efficiency（Typ）	80%	82%
	AC current （Typ）		
	Surge current (Typ)		
	Current leak		
Protection	Overload	Larger than 105% of capacity	
		restoration after abnormity removed	
	Overvoltage		
	Overheat		
Environment	Working temp.	-20～+60℃(Refer to the tenuation curve)	
	Working humidity	20～90% RH, without condense	
	Storage temp & hmdty	-40～+80℃	
	Temp. coefficient	±0.03%/℃ （0～50℃）	
	Vibration proof	10～500HZ,5G 10min / cycle，X、Y、Z axes 60 min each	
Safety reg. & EMC （Note.6）	Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)	
	Voltage proof	I/P-O/P:1.5KVAC	
	insulation resistance	I/P-O/P:100M Ohms/500VDC/25℃/70% RH	
	EMC irradiation	EN 55015:2006;EN61000-3-2:1995+A2:2005	
	EMC disturbance proof	EN 61000-3-2:2006;	
	Dimensions	128*98*30mm(L*W*H)	
	Packing	0.31kg/PCS;60PCS/18.6kg	
Notes:	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.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.		

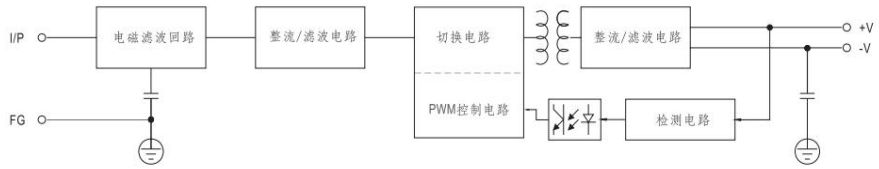
■Appearance



Foot function

AC/L
AC/N
FG
OUTPUT-
OUTPUT-
OUTPUT+
OUTPUT+

■Frame diagram



■Tenuation curve