



● Features

- Input Voltage Range (AC90~264V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Auto-Restart Mode
- Small Size
- Option(Din-Rail Bracket Page 16)

● Specifications

MODEL		WYNSP-50S05A	WYNSP-50S12A	WYNSP-50S24A	WYNSP-50S48A
ITEM					
INPUT	VOLTAGE	110VAC...0.4A/220VAC.....0.2A(Full Load) FREE VOLTAGE			
	FREQUENCY	50/60Hz (47~440Hz or DC)			
	EFFICIENCY	70% typ	75% typ	78% typ	78% typ
	INRUSHCURRENT	110VAC...4.5A/220VAC....9A(Io=100%, Ta=25°C at cold start)			
OUTPUT CIRCUIT	VOLTAGE (V)	5	12	24	48
	CURRENT (A)	10.0	4.2	2.1	1.0
	REGULATION LINE (mV)	25Max	60Max	120Max	240Max
	REGULATION LOAD (mV)	50Max	120Max	240Max	480Max
	RIPPLE (mVp-p)	50Max	120Max	240Max	480Max
	RIPPLE NOISE (mVp-p)	100Max	170Max	290Max	530Max
	TEMPERATURE DRIFT (mV) 0 ~ 50°C	50Max	120Max	240Max	480Max
	RISE TIME (mS)	100 Max (AC IN 85V Io = 100%)			
	HOLDING TIME (mS)	15 typ (AC IN 85V Io = 100%)			
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works at over 110% of rating and recovers automatically			
	OVER VOLTAGE PROTECTION	—			
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC 1,500V 1minute, DC 500V 100MΩ (At room temperature & Humidity)			
	INPUT-CASE.FG	AC 1,500V 1minute, DC 500V 100MΩ (At room temperature & Humidity)			
	OUTPUT-CASE	AC 500V 1minute, DC 500V 100MΩ (At room temperature & Humidity)			
ENVIRONMENT	OPERATING TEMP.AND HUMID	0 ~ +50°C, 20 ~ 90% RH (Non Condensing)			
	STORAGE TEMP. AND HUMID	-20 ~ +75°C, 20 ~ 90% RH (Non Condensing)			
GENERAL	COOLING	Natural cooling			
	WEIGHT (kg)	0.3			

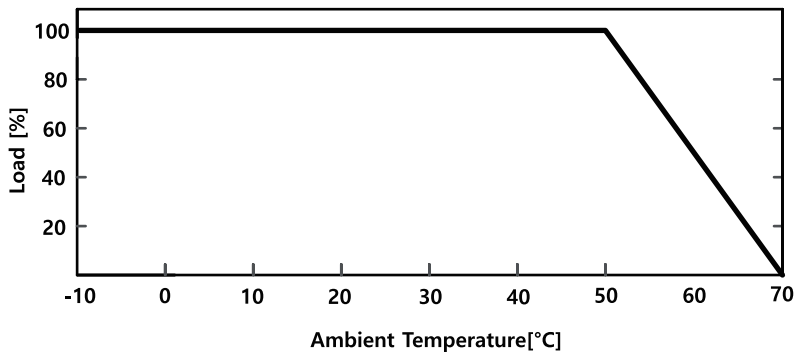
SWITCHING MODE POWER SUPPLY

NSP Series 50W

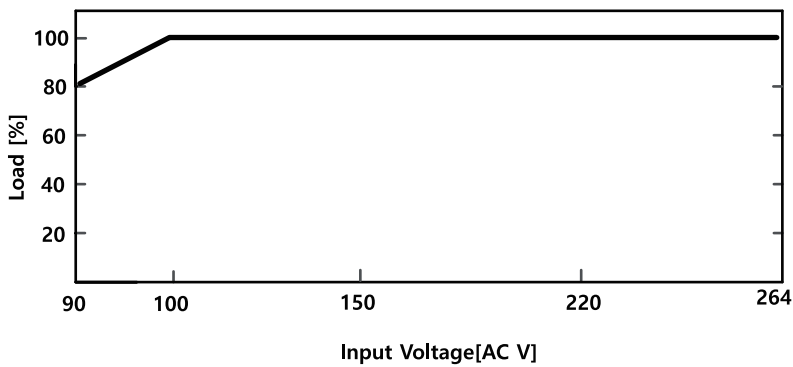
WYES®
스위칭전원장치

CE RoHS

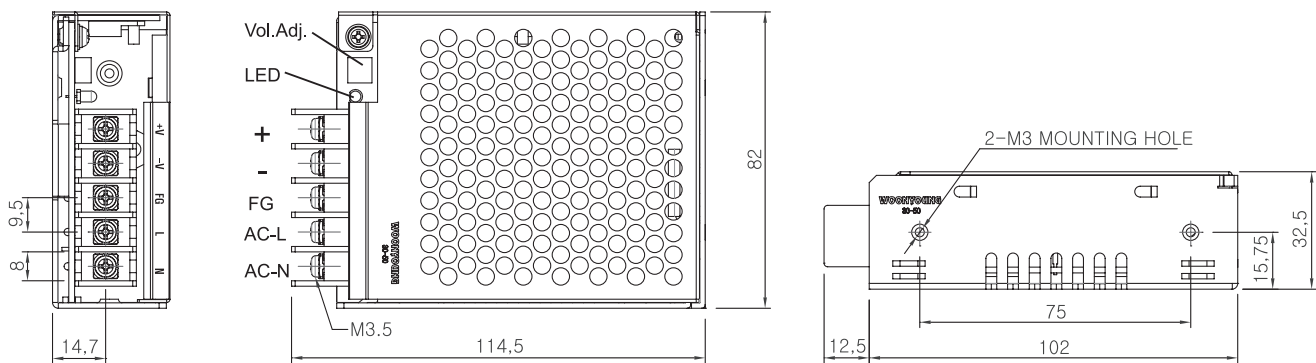
● Derating Curve For Ambient



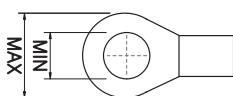
● Derating Curve For Input Voltage



● Dimension



● Terminal



Max 7 , Min 3.5