

UL 인증



● Features

- Wide Input Voltage Range (AC90—264V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Auto—Restart Mode
- LED Indicator for Power on & Over Load
- SEMI — F47 (200VAC Only)

- DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소로 줄일수 있으며, 직접 벽부에 설치할 수 있도록 제품 하부에 Wall mount 레버가 장착되어 있어 활용범위가 넓은 Unit형 SMPS입니다.

- This is a unitized SMPS that is convenient to work on at sites, can reduce areas during large-scale installation, and has a wall-mount lever at its bottom for direct installation on walls to be wide in application scope as a DIN rail and wall attached structure.

● Specifications

ITEM		MODEL	WYSP—30S05D	WYSP—30S12D	WYSP—30S24D	WYSP—30S48D
SAFETY STANDARDS			CE IEC 60950—1:2013	CBCE IEC 62368—1:2018	UL[®] CBCE IEC 62368—1:2018	UL[®] CBCE IEC 62368—1:2018
INPUT	AC Input Volatage Nominal		AC 100 ~ 240 [V]			
	AC Input Volatage Range		AC 90 ~ 264 [V]			
	CURRENT	AC110 [V]	1.3 [A]			
		AC220 [V]	0.6 [A]			
	FREQUENCY		50/60 [Hz]			
	EFFICIENCY	AC110 [V]	70 [%]	87 [%]	87 [%]	87 [%]
		AC220 [V]	72 [%]	88 [%]	88 [%]	88 [%]
	INRUSH CURRENT	AC110 [V]	20 [Apk] typ	20 [Apk] typ	30 [Apk] typ	30 [Apk] typ
		AC220 [V]	30 [Apk] typ	30 [Apk] typ	40 [Apk] typ	40 [Apk] typ
	STANDBY POWER	AC110 [V]	0.3W(DOE VI)			
		AC220 [V]				
OUTPUT	LEAKAGE CURRENT (60Hz)	AC110 [V]	MAX 0.5mA			
		AC220 [V]	MAX 1mA			
	VOLTAGE		5 [V]	12 [V]	24 [V]	48 [V]
	CURRENT		6.0 [A]	2.5 [A]	1.3 [A]	0.63 [A]
	LINE REGULATION		60 [mV] max	60 [mV] max	120 [mV] max	240 [mV] max
	LOAD REGULATION		240 [mV] max	240 [mV] max	480 [mV] max	720 [mV] max
	RIPPLE & NOISE		120 [mVp—p]	100 [mVp—p]	100 [mVp—p]	180 [mVp—p]
	TEMPERATURE DRIFT (0~50°C)		240[mV] max			
	START-UP TIME	AC110 [V]	2 [s] at Full Load			
		AC220 [V]				
PROTECTION CIRCUIT	OVER CURRENT PROTECTION		Works over 140% of rating and recovers automatically (hiccup)			
			6 ~ 10[V]	15 ~ 22 [V]	27 ~ 35 [V]	50 ~ 70 [V]
	OVER VOLTAGE PROTECTION		Re power on to recover (shut down)			
	OVER RATED INDICATION		Works over 105% of rating and recovers automatically (Red LED)			
WITHSTAND VOLTAGE	INPUT—OUTPUT		AC3,000V 1minute, Cutoff current = 20mA			
	INPUT—CASE, FG		AC2,000V 1minute, Cutoff current = 20mA			
	OUTPUT—CASE, FG		AC500V 1minute, Cutoff current = 30mA			
ISOLATION RESISTANCE	INPUT—OUTPUT		DC500V 50MΩ			
	INPUT—CASE, FG		DC500V, 50MΩ			
	OUTPUT—CASE, FG		DC100V 10MΩ			
ENVIRONMENT	OPERATING TEMP AND HUMID		-10 ~ 50°C, 20 ~ 90% rh (non condensing)			
	STORAGE TEMP AND HUMID		-20 ~ 70°C (non condensing)			
GENERAL	COOLING		Air			
	WEIGHT		0.3 [kg]			

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL D TYPE Series 50W

CB CE RoHS

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- Over Temperature Protection · Auto—Restart Mode
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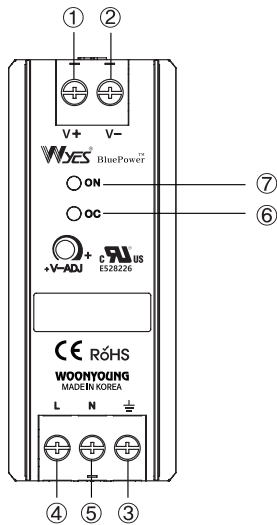
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● Specifications

MODEL			WYSP—50S12D		WYSP—50S24D		WYSP—50S48D	
ITEM			CBCE IEC 62368—1:2018		CBCE IEC 62368—1:2018		CBCE IEC 62368—1:2018	
SAFETY STANDARDS								
INPUT	AC Input Volatage Nominal		AC 100 ~ 240 [V]					
	AC Input Volatage Range		AC 90 ~ 264 [V]					
	CURRENT	AC110 [V]	1.3 [A]					
		AC220 [V]	0.6 [A]					
	FREQUENCY		50/60 [Hz]					
	EFFICIENCY	AC110 [V]	87 [%]	88 [%]	88 [%]			
		AC220 [V]	88 [%]	89 [%]	89 [%]			
	INRUSH CURRENT	AC110 [V]	20 [Apk] typ	30 [Apk] typ	30 [Apk] typ			
		AC220 [V]	30 [Apk] typ	50 [Apk] typ	50 [Apk] typ			
	STANDBY POWER	AC110 [V]	0.3W(DOE VI)					
AC220 [V]								
LEAKAGE CURRENT (60Hz)	AC110 [V]	MAX 0.5mA						
	AC220 [V]	MAX 1mA						
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]			
	CURRENT		4.2 [A]	2.1 [A]	1.05 [A]			
	LINE REGULATION		60 [mV] max	120 [mV] max	240 [mV] max			
	LOAD REGULATION		240 [mV] max	480 [mV] max	720 [mV] max			
	RIPPLE & NOISE		100 [mVp—p]	100 [mVp—p]	180 [mVp—p]			
	TEMPERATURE DRIFT (0~50°C)		240[mV] max					
	START-UP TIME	AC110 [V]	2 [s] at Full Load					
		AC220 [V]						
	HOLD-UP TIME	AC110 [V]	12 [ms] at Full Load					
		AC220 [V]	50 [ms] at Full Load					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION		Works over 140% of rating and recovers automatically (hiccup)					
	OVER VOLTAGE PROTECTION		15 ~ 22 [V]	27 ~ 35 [V]	50 ~ 70 [V]			
			Re power on to recover (shut down)					
OVER RATED INDICATION		Works over 105% of rating and recovers automatically (Red LED)						
WITHSTAND VOLTAGE	INPUT—OUTPUT		AC3,000V 1minute, Cutoff current = 20mA					
	INPUT—CASE, FG		AC2,000V 1minute, Cutoff current = 20mA					
	OUTPUT—CASE, FG		AC500V 1minute, Cutoff current = 30mA					
ISOLATION RESISTANCE	INPUT—OUTPUT		DC500V 50MΩ					
	INPUT—CASE, FG		DC500V, 50MΩ					
	OUTPUT—CASE, FG		DC100V 10MΩ					
ENVIRONMENT	OPERATING TEMP AND HUMID		—10 ~ 50°C, 20 ~ 90% rh (non condensing)					
	STORAGE TEMP AND HUMID		—20 ~ 70°C (non condensing)					
GENERAL	COOLING		Air					
	WEIGHT		0.4 [kg]					

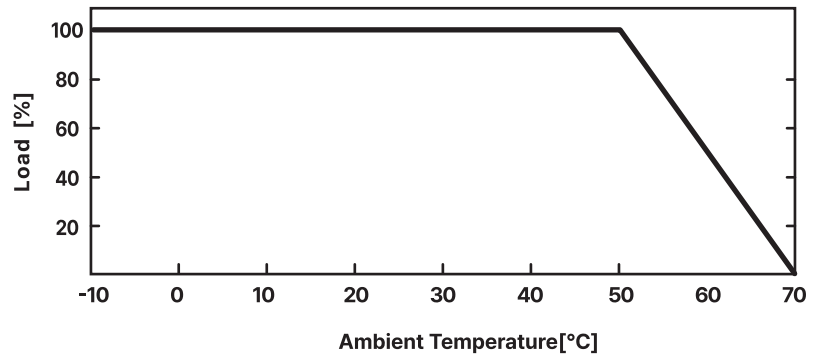
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무전압릴레이
전력조정기
스위칭파워
노이즈필터
하모닉필터
서지보호기
보호계전기
LED=GF
영상변류기
메터

● Front part name

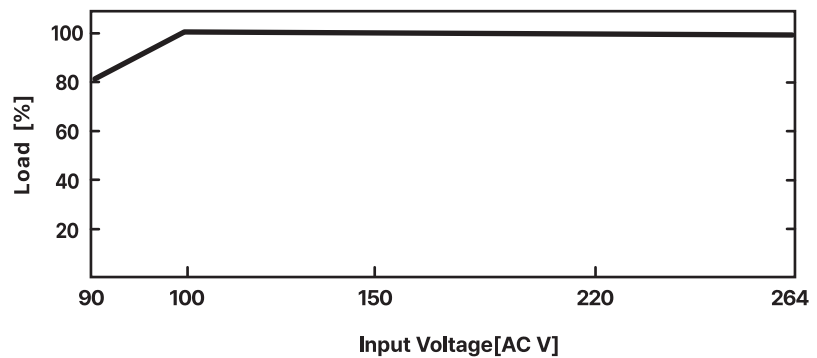


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ AC Input (L)
- ⑤ AC Input (N)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

● Derating Curve For Ambient

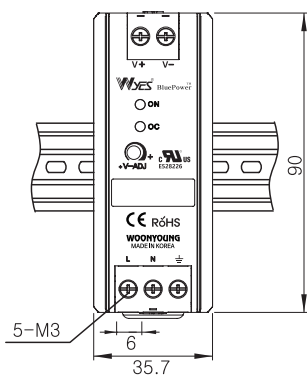


● Derating Curve For Input Voltage

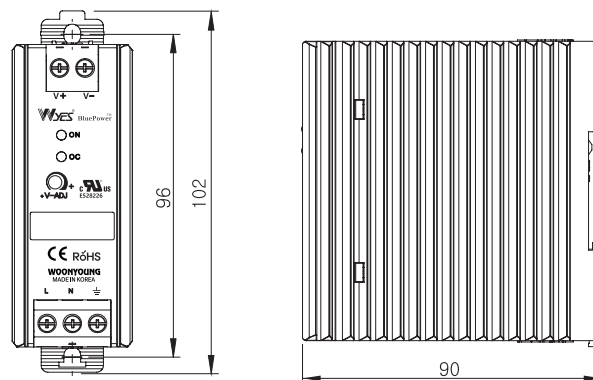


● Dimension

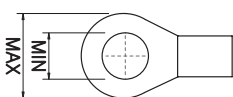
DIN-Rail Mount



Wall Mount



● Terminal



Max 6 , Min 3.5