

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL Series (역률개선용) 300W



UL 인증
PFC Type



● Features

- Wide Input Voltage Range(AC90~264V)
 - Short Circuit Protection
 - Built-in Active PFC function
 - Auto-Restart Mode
 - High Efficiency up to 91%
 - LED Indicator for Power on & Over Load
 - Built-in Inrush Current Limiter
 - Over Current Protection
- DIN Rail 및 벽부 취부형 구조로 현장 작업시 간편하며 대량 설치시 면적을 최소화 줄일수 있는 Unit형 SMPS 입니다.
- This is a unitized SMPS that is convenient to work on at sites and can reduce areas during large-scale installation as a DIN rail and wall attached structure.

● Specifications

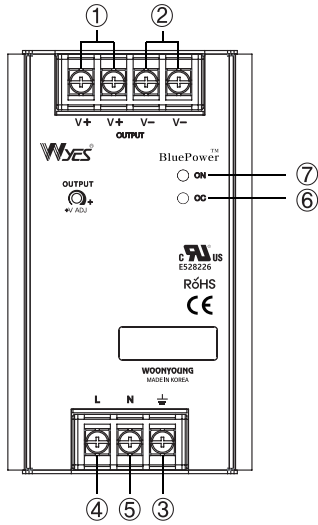
MODEL		WYSP-300S12DP	WYSP-300S24DP	WYSP-300S48DP	
ITEM					
SAFETY STANDARDS		CB CE IEC 62368-1:2018	UL CB CE IEC 62368-1:2018	UL CB CE IEC 62368-1:2018	
INPUT	AC Input Volatage Nominal	AC 100~240 [V]			
	AC Input Volatage Range	AC 90~264 [V]			
	CURRENT	AC110 [V]	3.1 [A]	3.1 [A]	3.1 [A]
		AC220 [V]	1.6 [A]	1.6 [A]	1.6 [A]
	FREQUENCY		50/60 [Hz]		
	EFFICIENCY	AC110 [V]	91 [%]	92 [%]	92 [%]
		AC220 [V]	92 [%]	93 [%]	93 [%]
	POWER FACTOR		PF≥0.95(Half Load)		
	INRUSH CURRENT	AC110 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ
		AC220 [V]	50 [Apk] typ	50 [Apk] typ	50 [Apk] typ
STANDBY POWER	AC110 [V]	0.21W(DOE VI)			
	AC220 [V]	0.21W(DOE VI)			
LEAKAGE CURRENT (60Hz)	AC110 [V]	MAX 0.5mA			
	AC220 [V]	MAX 1mA			
OUTPUT	VOLTAGE	12 [V]	24 [V]	48 [V]	
	CURRENT	25 [A]	12.5 [A]	6.25 [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	120 [mVp-p]	150 [mVp-p]	100 [mVp-p]	
	TEMPERATURE DRIFT (0~50°C)		240[mV] max		
	START-UP TIME	AC110 [V]	2 [s] at Full Load		
		AC220 [V]	2 [s] at Full Load		
	HOLD-UP TIME	AC110 [V]	12 [ms] at Full Load		
		AC220 [V]	50 [ms] at Full Load		
OUTPUT VOLTAGE SETTING RANGE		22.5 to 26.5[V]			
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	10CFM Forced Air	Air		
	WEIGHT	1 [kg]			

SWITCHING MODE POWER SUPPLY

DIN-RAIL Series (역률개선용) 200, 250, 300W

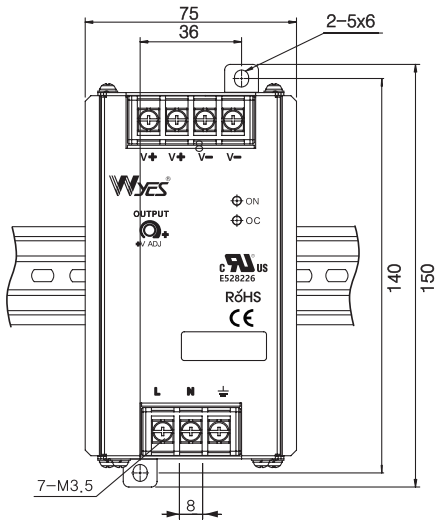
UL US CB CE RoHS

● 전면 부 명칭

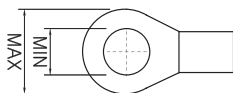


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ AC Input (L)
- ⑤ AC Input (N)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

● Dimension

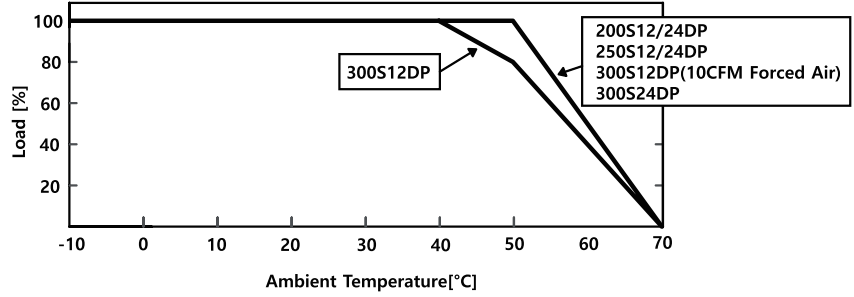


● Terminal

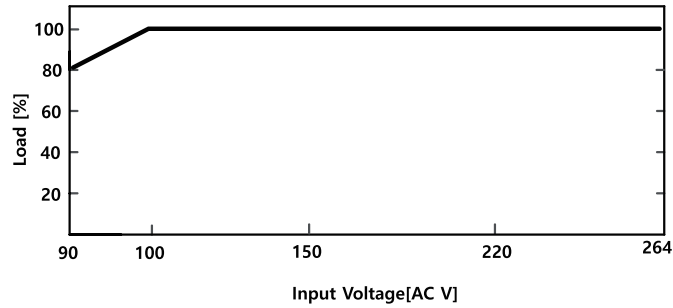


Max 7, Min 3.5

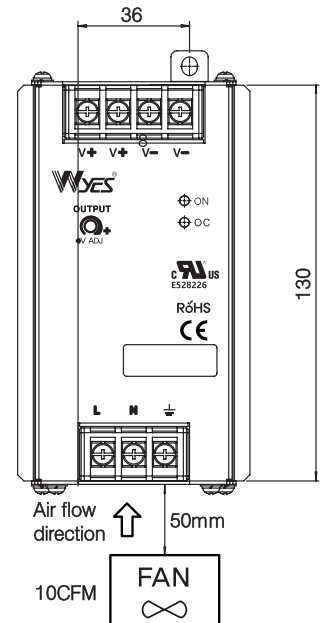
● Derating Curve For Ambient



● Derating Curve For Input Voltage



● Option (WYSP-300S12DP)



TRANS= NCT 트랜스포머
 REACTOR 리액터
 SSR 무정전압릴레이
 TPR 전력조정기
 SMPS 스위칭공파워
 NF 노이즈필터
 H/F 하모닉필터
 SPD 서지보호기
 RELAY 보호계전기
 ELD= GFR 누전경보기
 ZCT 영상변류기
 METER 판넬메타
 CT= VT 계기용변성기
 SHUNT= FAN 션트팬