

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL DP TYPE Series(역률개선용) 120, 150W

CB CE RoHS

UL 인증
PFC Type



● Features

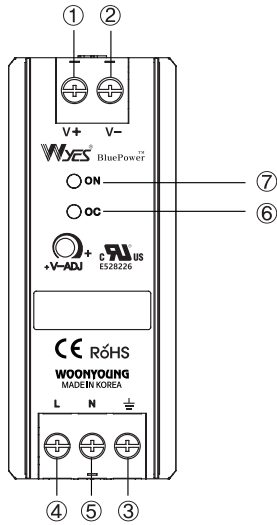
- Input Voltage Range (AC90—264V)
- Over Current Protection
- Over Temperature Protection
- Built-in PFC
- Built-in Inrush Current Limiter
- Short Circuit Protection
- Auto—Restart Mode
- SEMI — F47 (200VAC Only)
- DIN Rail 및 벽부 취부형 구조로 현장 작업시 간편하며 대량 설치시 면적을 최소화 줄일수 있는 Unit형 SMPS 입니다.
- This is a unitized 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-120S12DP	WYSP-120S24DP	WYSP-120S48DP	WYSP-150S12DP	WYSP-150S24DP	WYSP-150S48DP
ITEM								
SAFETY STANDARDS			 IEC 62368-1:2018	 IEC 62368-1:2018	 IEC 62368-1:2018	 IEC 62368-1:2018	 IEC 62368-1:2018	 IEC 62368-1:2018
INPUT	AC Input Volatage Nominal		AC 100 ~ 240 [V]					
	AC Input Volatage Range		AC 90 ~ 264 [V]					
	CURRENT	AC110 [V]	1.5 [A]					
		AC220 [V]	0.8 [A]					
	FREQUENCY		50/60 [Hz]					
	EFFICIENCY	AC110 [V]	89 [%]	90 [%]	90 [%]	89 [%]	90 [%]	90 [%]
		AC220 [V]	90 [%]	91 [%]	91 [%]	90 [%]	91 [%]	91 [%]
	POWER FACTOR		PF≥0.95(Half Load)					
	INRUSH CURRENT	AC110 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ
		AC220 [V]	50 [Apk] typ	50 [Apk] typ	50 [Apk] typ	50 [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 1.0mA						
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]	12 [V]	24 [V]	48 [V]
	CURRENT		10.0 [A]	5 [A]	2.5 [A]	12.5 [A]	6.3 [A]	3.2 [A]
	LINE REGULATION		120 [mV] max	120 [mV] max	240 [mV] max	120 [mV] max	120 [mV] max	240 [mV] max
	LOAD REGULATION		240 [mV] max	240 [mV] max	720 [mV] max	240 [mV] max	240 [mV] max	720 [mV] max
	RIPPLE & NOISE		120 [mVp-p]	150 [mVp-p]	100 [mVp-p]	120 [mVp-p]	150 [mVp-p]	180 [mVp-p]
	TEMPERATURE DRIFT (0~50°C)		240[mV] max					
	START-UP TIME	AC110 [V]	3 [s] at Full Load					
		AC220 [V]						
	HOLD-UP	AC110 [V]	15 [ms] at Full Load					
		AC220 [V]	70 [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]	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		1.0 [kg]					

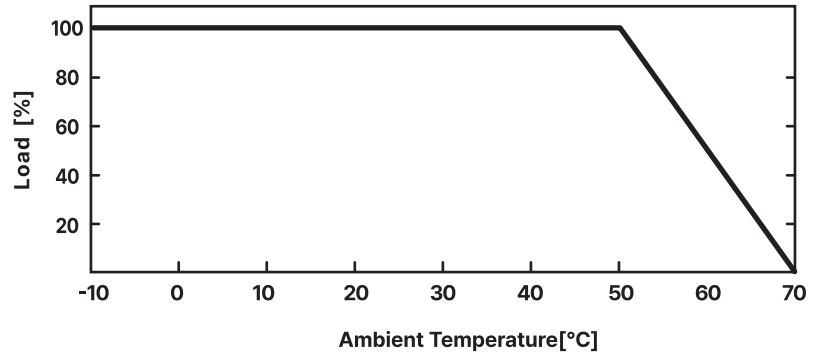
트랜스포머
REACTOR
리액터
무정전압 레이어
SSR
전력조정기
TPR
스위칭파워
SMPS
노이즈 필터
H/F
하모닉 필터
H/F
서지보호기
SPD
보호계전기
RELAY
누전경보기
ELD=GF
ZCT
영상변류기
METER
판넬메타
계기용변성기
CT=VT
SHUNT=FA

● Front part name

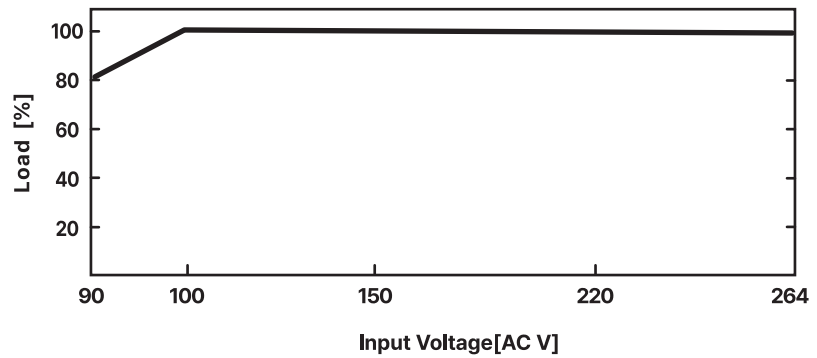


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ AC Input (L)
- ⑤ AC Input (N)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

● Derating Curve For Ambient

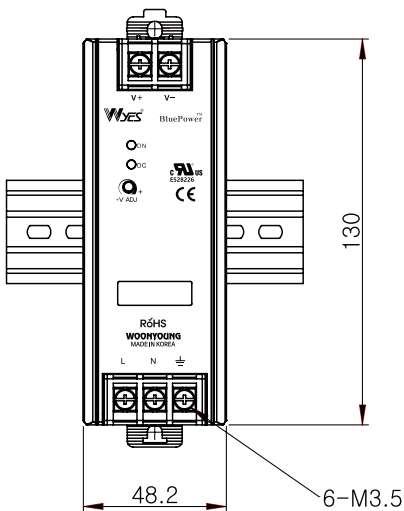


● Derating Curve For Input Voltage

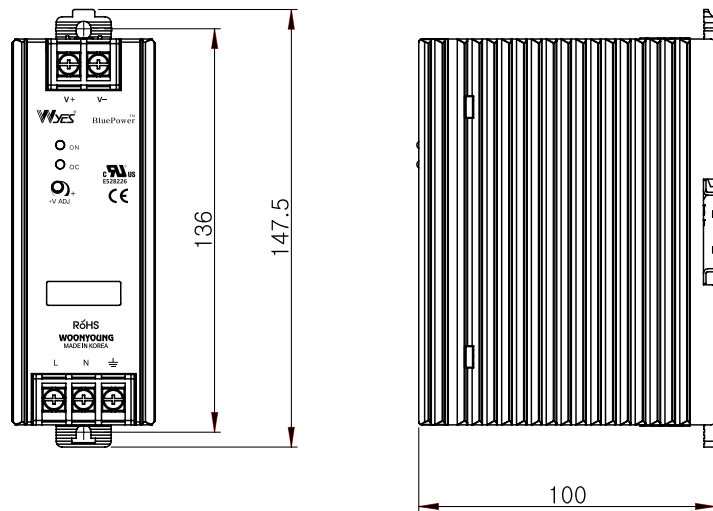


● Dimension

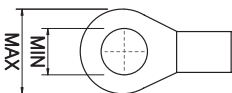
DIN-Rail Mount



Wall Mount



● Terminal



Max 6 , Min 3.5