

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL Series 75W



● Features

- Wide Input Voltage Range (DC 100~250V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- LED Indicator for Power On & Over Load
- Auto-Restart Mode
- High Efficiency

- DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소화 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-75S12DD	WYSP-75S24DD	WYSP-75S48DD
SAFETY STANDARDS			CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018
INPUT	DC Input Volatage Nominal		DC 110 ~ 230 [V]		
	DC Input Volatage Range		DC 100 ~ 250 [V]		
	CURRENT	DC 150 [V]	1.5 [A]		
	EFFICIENCY	DC 150 [V]	90 [%]	91 [%]	91 [%]
	INRUSH CURRENT	DC 150 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ
	STANDBY POWER	DC 150 [V]	0.3W(DOE VI)		
	LEAKAGE CURRENT	DC 150 [V]	MAX 3.5mA		
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]
	CURRENT		6.3 [A]	3.2 [A]	1.56 [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	DC 150 [V]	1 [s] at Full Load		
	HOLD-UP TIME	DC 150 [V]	16 [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)		
WITHSTAND VOLTAGE	OVER RATED INDICATION		Works over 105% of rating and recovers automatically (Red LED)		
	INPUT-OUTPUT		AC 3,000V 1minute, Cutoff current = 20mA		
	INPUT-CASE, FG		AC 2,000V 1minute, Cutoff current = 20mA		
ISOLATION RESISTANCE	OUTPUT-CASE, FG		AC 500V 1minute, Cutoff current = 30mA		
	INPUT-OUTPUT		DC 500V 50MΩ		
	INPUT-CASE, FG		DC 500V, 50MΩ		
ENVIRONMENT	OUTPUT-CASE, FG		DC 100V 10MΩ		
	OPERATING TEMP AND HUMID		-10 ~ 50°C, 20 ~ 90% rh (non condensing)		
GENERAL	STORAGE TEMP AND HUMID		-20 ~ 70°C (non condensing)		
	COOLING		Air		
	WEIGHT		0.4 [kg]		



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● Specifications

ITEM		MODEL	WYSP-100S12DD	WYSP-100S24DD	WYSP-100S48DD
SAFETY STANDARDS			CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018
INPUT	DC Input Volatage Nominal		DC 110 ~ 230 [V]		
	DC Input Volatage Range		DC 100 ~ 250 [V]		
	CURRENT	DC 150 [V]	1.6 [A]		
	EFFICIENCY	DC 150 [V]	90 [%]	91 [%]	91 [%]
	INRUSH CURRENT	DC 150 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ
	STANDBY POWER	DC 150 [V]	0.3W(DOE VI)		
	LEAKAGE CURRENT	DC 150 [V]	MAX 3.5mA		
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]
	CURRENT		8.4 [A]	4.2 [A]	2.09 [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	DC 150 [V]	1 [s] at Full Load		
	HOLD-UP TIME	DC 150 [V]	16 [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)		
WITHSTAND VOLTAGE	OVER RATED INDICATION		Works over 105% of rating and recovers automatically (Red LED)		
	INPUT – OUTPUT		AC 3,000V 1minute, Cutoff current = 20mA		
	INPUT – CASE, FG		AC 2,000V 1minute, Cutoff current = 20mA		
ISOLATION RESISTANCE	OUTPUT – CASE, FG		AC 500V 1minute, Cutoff current = 30mA		
	INPUT – OUTPUT		DC 500V 50MΩ		
	INPUT – CASE, FG		DC 500V, 50MΩ		
ENVIRONMENT	OUTPUT – CASE, FG		DC 100V 10MΩ		
	OPERATING TEMP AND HUMID		-10 ~ 50°C, 20 ~ 90% rh (non condensing)		
GENERAL	STORAGE TEMP AND HUMID		-20 ~ 70°C (non condensing)		
	COOLING		Air		
	WEIGHT		0.6 [kg]		

SWITCHING MODE POWER SUPPLY

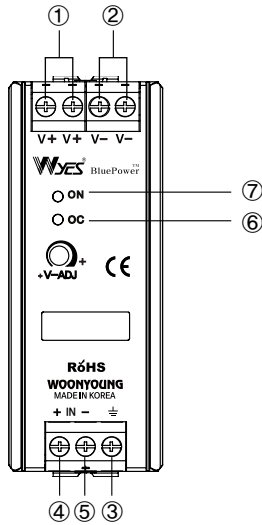
WYES®

스위칭전원장치

DIN-RAIL Series 75,100W

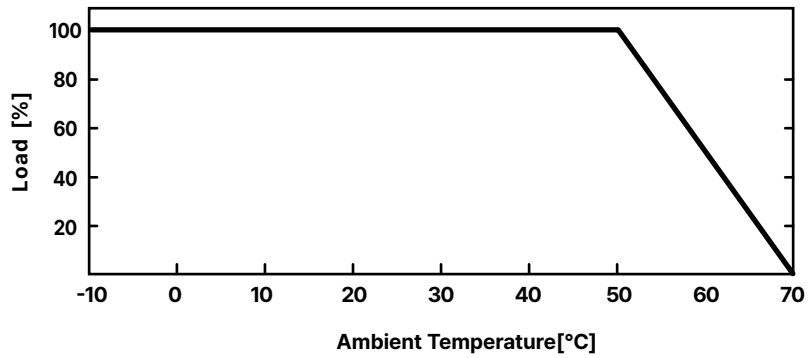
CE RoHS

● Front part name

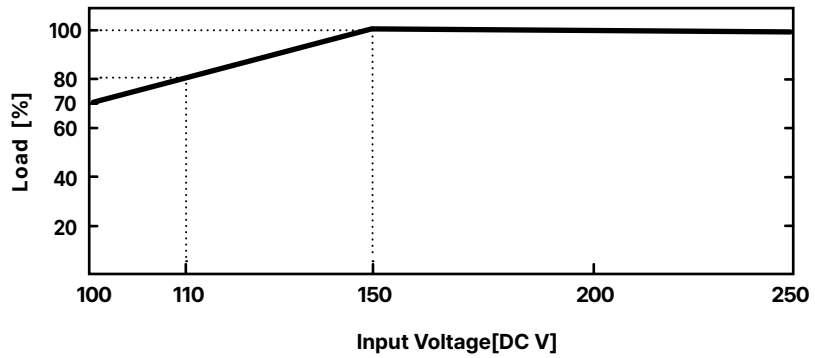


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ DC Input (+)
- ⑤ DC Input (-)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

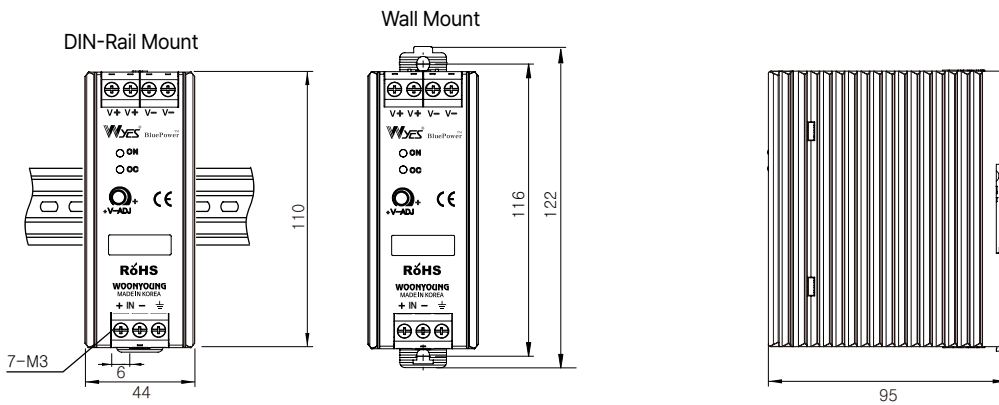
● Derating Curve For Ambient



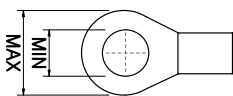
● Derating Curve For Input Voltage



● Dimension



● Terminal



Max 6 , Min 3.5

트랜스포머
TRANS= NCT
리액터
REACTOR
무정전압 레일
SSR
전력조정기
TPR
스위칭파워
SMPS
노이즈 필터
N/F
하모닉 필터
H/F
서지보호기
SPD
보호계전기
RELAY
누전경보기
ELD= GFR
영상변류기
ZCT
판넬메타
METER
계기용변성기
CT= VT
선풍팬
SHUNT= FAN