



● 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

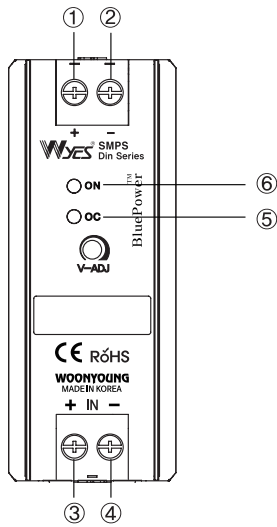
- DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소로 줄일수 있으며, 직접 벽부에 설치할 수 있도록 제품 하부에 Wall mount 레버가 장착되어 있어 활용범위가 넓은 Unit형 SMPS입니다.
- This is a unitized SMPS that is convenient to work on at sites, can reduce areas during large-scale installation, and has a wall-mount lever at its bottom for direct installation on walls to be wide in application scope as a DIN rail and wall attached structure.

● Specifications

ITEM		MODEL	WYSP-10S05DD	WYSP-10S12DD	WYSP-10S24DD	WYSP-20S12DD	WYSP-20S24DD
SAFETY STANDARDS			CE IEC 60950-1:2013	CE IEC 62368-1:2018	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]	0.1 [A]			0.2 [A]	
	EFFICIENCY	DC 150 [V]	70 [%]	73 [%]	71 [%]	78 [%]	78 [%]
	INRUSH CURRENT	DC 150 [V]	20 [Apk] typ				
	STANDBY POWER	DC 150 [V]	0.3W(DOE VI)				
	LEAKAGE CURRENT	DC 150 [V]	MAX 0.5mA				
OUTPUT	VOLTAGE		5 [V]	12 [V]	24 [V]	12 [V]	24 [V]
	CURRENT		2.0 [A]	0.84 [A]	0.42 [A]	1.67 [A]	0.84 [A]
	LINE REGULATION		60 [mV] max	60 [mV] max	120 [mV] max	60 [mV] max	120 [mV] max
	LOAD REGULATION		240 [mV] max	240 [mV] max	480 [mV] max	240 [mV] max	480 [mV] max
	RIPPLE & NOISE		120 [mVp-p]	100 [mVp-p]	100 [mVp-p]	100 [mVp-p]	100 [mVp-p]
	TEMPERATURE DRIFT (0~50°C)		240[mV] max				
	START-UP TIME	DC 150 [V]	2 [s] at Full Load				
	HOLD-UP TIME	DC 150 [V]	15 [ms] at Full Load				
PROTECTION CIRCUIT	OVER CURRENT PROTECTION		Works over 140% of rating and recovers automatically (hiccup)				
	OVER VOLTAGE PROTECTION		6 ~ 10[V]	15 ~ 22 [V]	27 ~ 35 [V]	15 ~ 22 [V]	27 ~ 35 [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 1,500V 1minute, Cutoff current = 20mA				
	INPUT-CASE, FG		AC 1,500V 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		0.2 [kg]				

DIN-RAIL DD TYPE Series 10, 20W

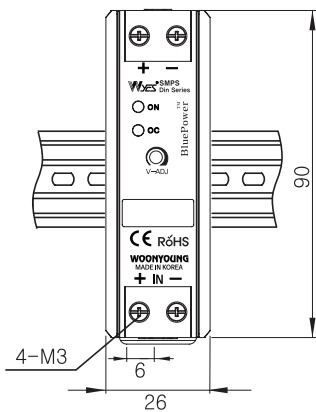
● Front part name



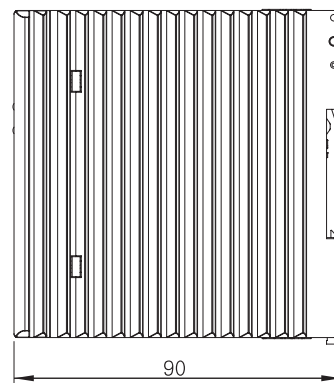
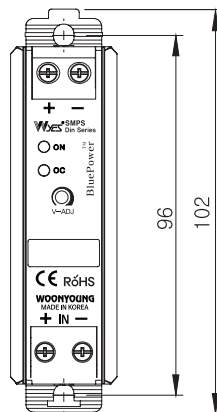
- ① + Output Terminal
- ② - Output Terminal
- ③ DC Input (+)
- ④ DC Input (-)
- ⑤ Over Current LED (Red)
- ⑥ Output LED (Green)

● Dimension

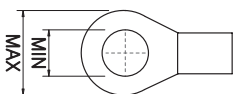
DIN-Rail Mount



Wall Mount

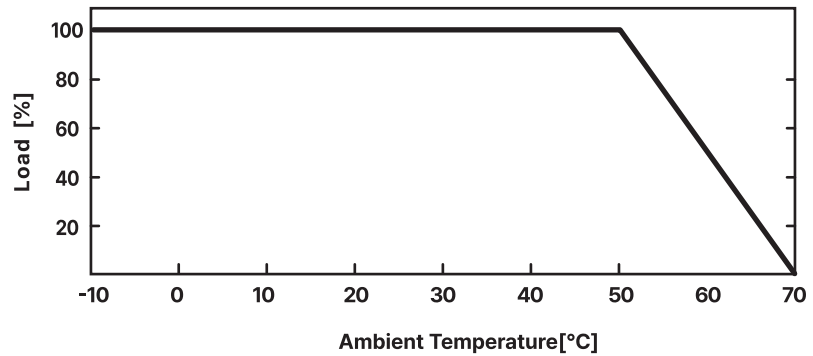


● Terminal



Max 5 , Min 3

● Derating Curve For Ambient



● Derating Curve For Input Voltage

