



● 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-30S05DD	WYSP-30S12DD	WYSP-30S24DD	WYSP-30S48DD
SAFETY STANDARDS			CE IEC 60950-1:2013	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]	1.3 [A]			
	EFFICIENCY	DC 150 [V]	70 [%]	87 [%]	87 [%]	87 [%]
	INRUSH CURRENT	DC 150 [V]	20 [Apk] typ	20 [Apk] typ	30 [Apk] typ	30 [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]	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	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]	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		0.3 [kg]			



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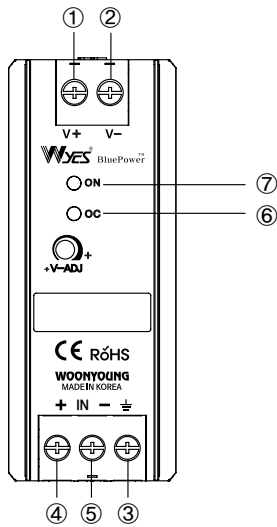
- DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소로 줄일수 있으며, 직접 벽부에 설치할 수 있도록 제품 하부에 Wall mount 레버가 장착되어 있어 활용범위가 넓은 Unit형 SMPS입니다.

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● Specifications

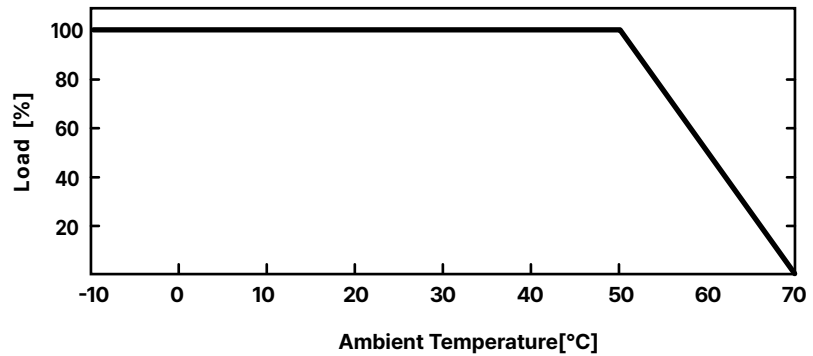
ITEM		MODEL	WYSP-50S12DD	WYSP-50S24DD	WYSP-50S48DD
SAFETY STANDARDS			CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018
INPUT	DC Input Volatage Nominal		DC 110 ~ 230 [V]		
	DC Input Volatage Range		DC 100 ~ 250 [V]		
	CURRENT	DC 150 [V]	1.3 [A]		
	EFFICIENCY	DC 150 [V]	87 [%]	88 [%]	88 [%]
	INRUSH CURRENT	DC 150 [V]	20 [Apk] typ	30 [Apk] typ	30 [Apk] typ
	STANDBY POWER	DC 150 [V]	0.3W(DOE VI)		
	LEAKAGE CURRENT	DC 150 [V]	MAX 0.5mA		
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	DC 150 [V]	2 [s] at Full Load		
	HOLD-UP TIME	DC 150 [V]	12 [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]		

● Front part name

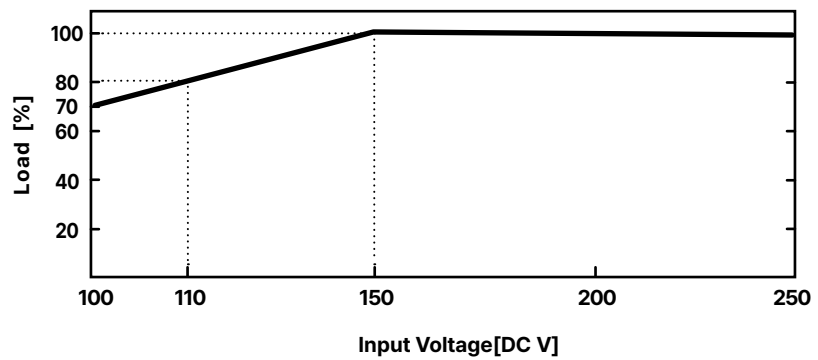


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ DC Input (+)
- ⑤ DC Input (-)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

● Derating Curve For Ambient

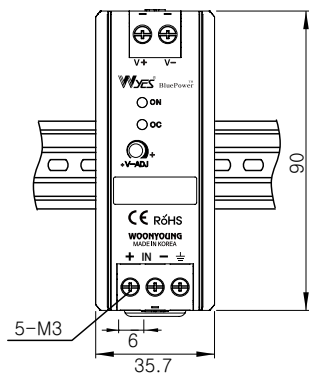


● Derating Curve For Input Voltage

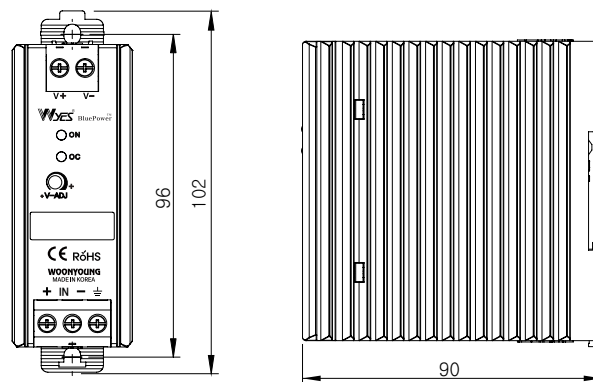


● Dimension

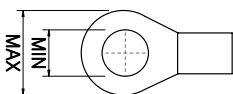
DIN-Rail Mount



Wall Mount



● Terminal



Max 6 , Min 3.5