

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL Series 120, 150W



● Features

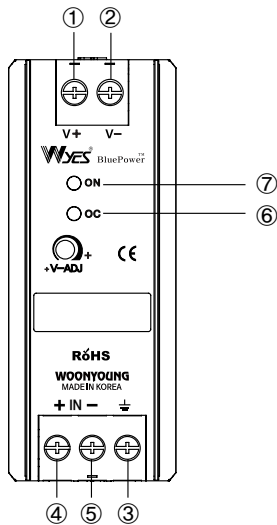
- Input Voltage Range (DC 100~250V)
- Over Current Protection
- LED Indicator for Power On & Over Load
- High Efficiency
- Built-in Inrush Current Limiter
- Short Circuit Protection
- Auto-Restart Mode

- 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

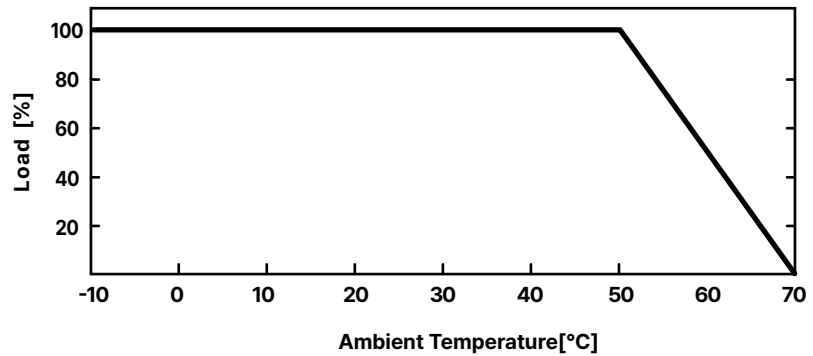
MODEL			WYSP-120S12DD	WYSP-120S24DD	WYSP-120S48DD	WYSP-150S12DD	WYSP-150S24DD	WYSP-150S48DD
ITEM								
SAFETY STANDARDS			CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018	CE IEC 62368-1:2018
INPUT	DC Input Volatage Nominal		DC 110 ~ 230 [V]					
	DC Input Volatage Range		DC 100 ~ 250 [V]					
	CURRENT	DC 150 [V]	1.5 [A]					
	EFFICIENCY	DC 150 [V]	89 [%]	90 [%]	90 [%]	89 [%]	90 [%]	90 [%]
	INRUSH CURRENT	DC 150 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ	30 [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]	12 [V]	24 [V]	48 [V]
	CURRENT		10.0 [A]	5.0 [A]	2.50 [A]	12.5 [A]	6.30 [A]	3.13 [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	DC 150 [V]	3 [s] at Full Load					
	HOLD-UP	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		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)					
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)					
	STORAGE TEMP AND HUMID		-20 ~ 70°C (non condensing)					
GENERAL	COOLING		Air					
	WEIGHT		1.0 [kg]					

● Front part name

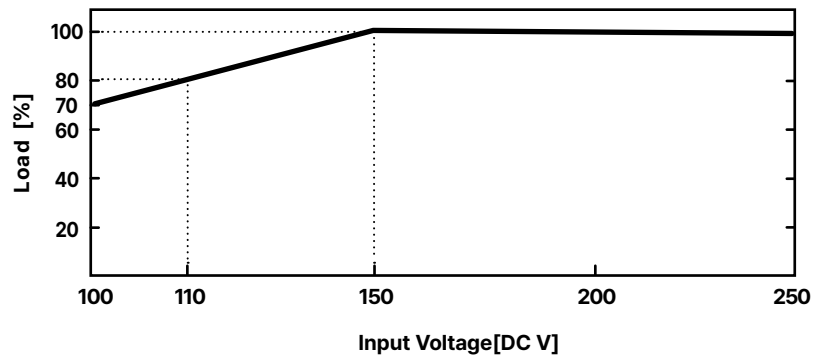


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ DC Input (+)
- ⑤ DC Input (-)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

● Derating Curve For Ambient

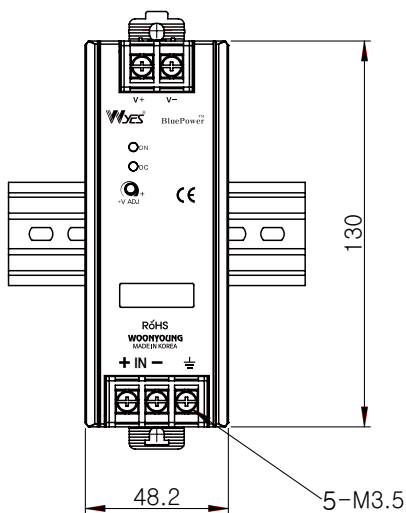


● Derating Curve For Input Voltage

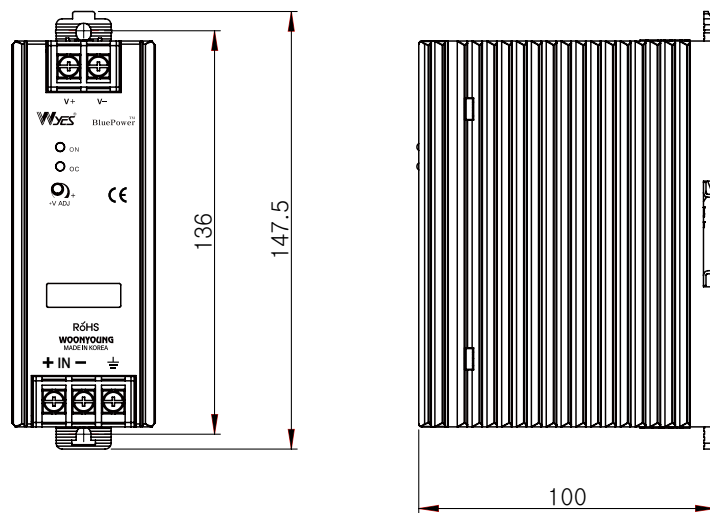


● Dimension

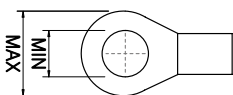
DIN-Rail Mount



Wall Mount



● Terminal



Max 6 , Min 3.5