



● Features

- Wide Input Voltage Range(DC 100 ~ 250V) · Short Circuit Protection
- High Efficiency up to 91% · Auto—Restart Mode
- Built-in Inrush Current Limiter · LED Indicator for Power On & Over Load
- Over Current Protection
- 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

ITEM		MODEL	WYSP-200S12DD	WYSP-200S24DD	WYSP-200S48DD	WYSP-250S12DD	WYSP-250S24DD	WYSP-250S48DD
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]	3.1 [A]					
	EFFICIENCY	DC 150 [V]	91 [%]	92 [%]	92 [%]	91 [%]	92 [%]	92 [%]
	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]	0.21W(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		16.7 [A]	8.4 [A]	4.17 [A]	20.9 [A]	10.5 [A]	5.21 [A]
	LINE REGULATION		60 [mV] max	120 [mV] max	240 [mV] max	60 [mV] max	120 [mV] max	240 [mV] max
	LOAD REGULATION		240 [mV] max	480 [mV] max	720 [mV] max	240 [mV] max	480 [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]	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]	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]					



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● Specifications

MODEL		WYSP－300S12DD	WYSP－300S24DD	WYSP－300S48DD	
ITEM					
SAFETY STANDARDS		㊞ IEC 62368－1:2018	㊞ IEC 62368－1:2018	㊞ 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]	3.1 [A]	3.1 [A]	
	EFFICIENCY	DC 150 [V]	91 [%]	92 [%]	
	INRUSH CURRENT	DC 150 [V]	30 [Apk] typ	30 [Apk] typ	
	STANDBY POWER	DC 150 [V]	0.21W(DOE VI)		
	LEAKAGE CURRENT	DC 150 [V]	MAX 0.5mA		
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]
	CURRENT		25 [A]	12.5 [A]	6.25 [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		120 [mVp-p]	150 [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)		
	OVER RATED INDICATION		Works over 105% of rating and recovers automatically(Red LED)		
WITHSTAND VOLTAGE	INPUT－OUTPUT		AC 3,000V 1minute, Cutoff current = 20mA		
	INPUT－CASE, FG		AC 2,000V 1minute, Cutoff current = 20mA		
	OUTPUT－CASE, FG		AC 500V 1minute, Cutoff current = 30mA		
ISOLATION RESISTANCE	INPUT－OUTPUT		DC 500V 50MΩ		
	INPUT－CASE, FG		DC 500V, 50MΩ		
	OUTPUT－CASE, FG		DC 100V 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 [kg]		

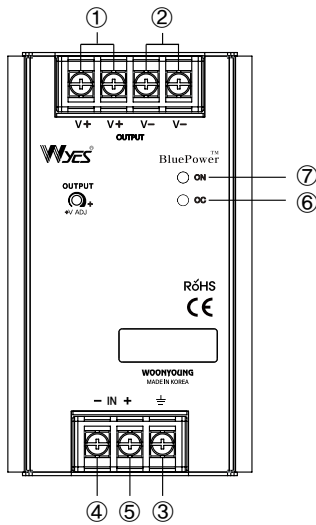
SWITCHING MODE POWER SUPPLY

WYES®
스위칭전원장치

DIN-RAIL Series 200, 250, 300W

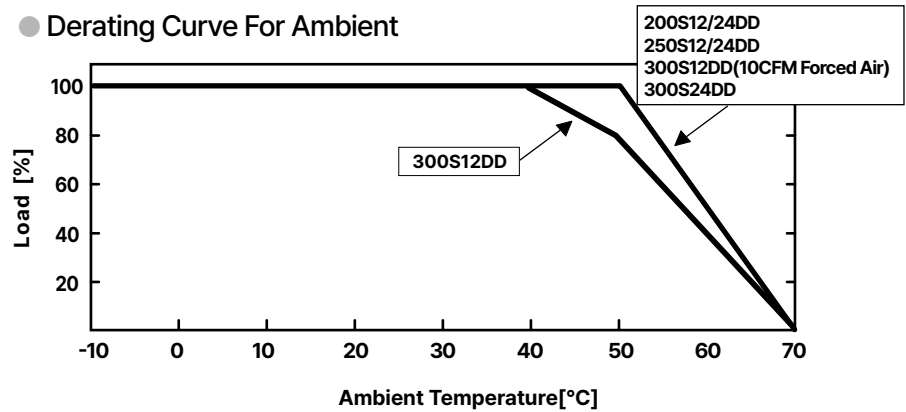
CE RoHS

● 전면 부 명칭

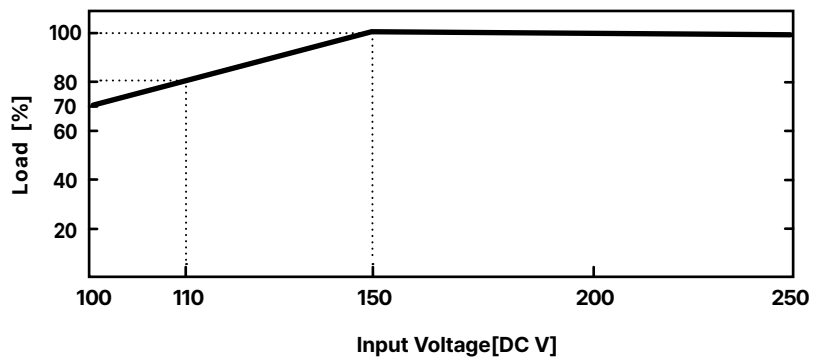


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ DC Input (+)
- ⑤ DC Input (-)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

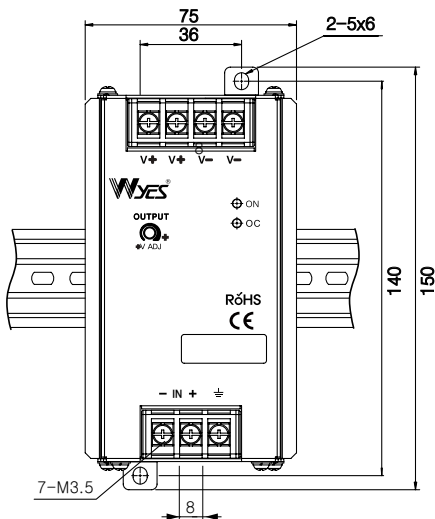
● Derating Curve For Ambient



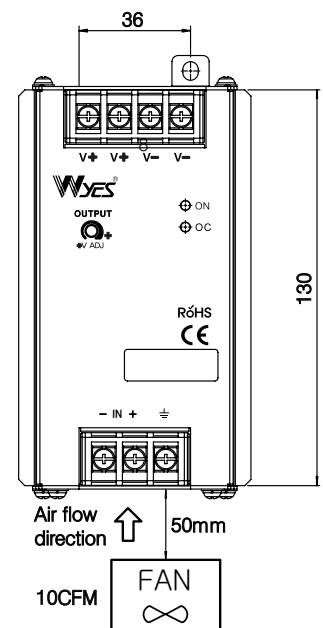
● Derating Curve For Input Voltage



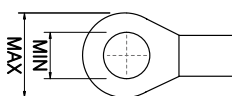
● Dimension



● Option (WYSP-300S12DD)



● Terminal



Max 7, Min 3.5

트랜스포머
REACTOR
무정전압 레이어
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
선편팬
SHUNT=FAN