

SWITCHING MODE POWER SUPPLY

WYES®
스위칭전원장치

DIN-RAIL DD TYPE Series 200, 250W

CE RoHS



● 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					
SAFETY STANDARDS			WYSP-200S12DD	WYSP-200S24DD	WYSP-200S48DD	WYSP-250S12DD	WYSP-250S24DD	WYSP-250S48DD
			CE	CE	CE	CE	CE	CE
			IEC 62368-1:2018	IEC 62368-1:2018	IEC 62368-1:2018	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]	1.5 [A]			1.9 [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]	4.2 [A]	20.9 [A]	10.5 [A]	5.2 [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]					

T R A N S = N C T 트랜스포머
R E A C T O R 리액터
S S R 무전선릴레이
T P R 전력조정기
S M P S 스위칭파워
N / F 노이즈필터
H / F 하모닉필터
S P D 서지보호기
R E L A Y 보호계전기
E L D = G F R 누전경보기
Z C T 영상변류기
M E T E R 판넬메타
C T = V T 계기용변성기
S H U N T = F A N 션트팬

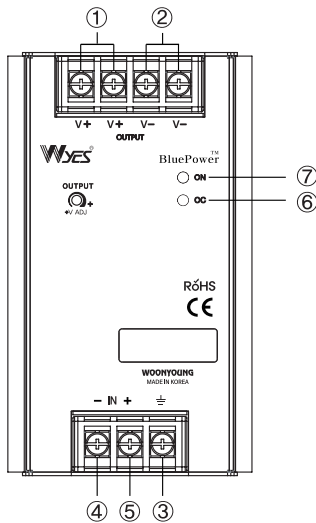
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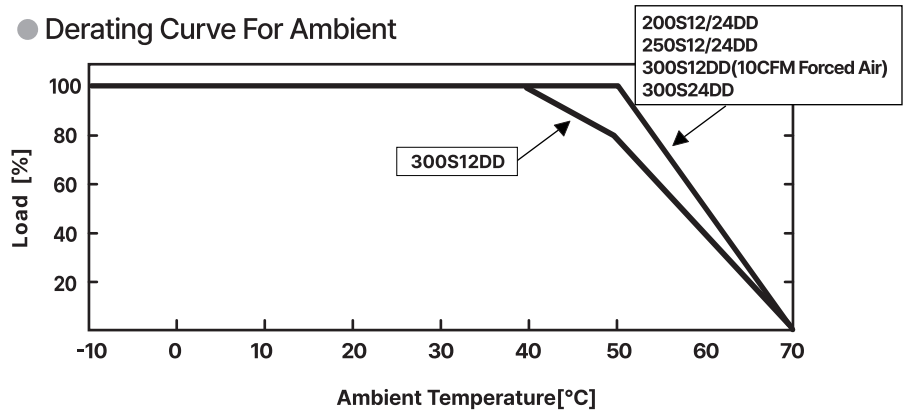
CE RoHS

● 전면 부 명칭

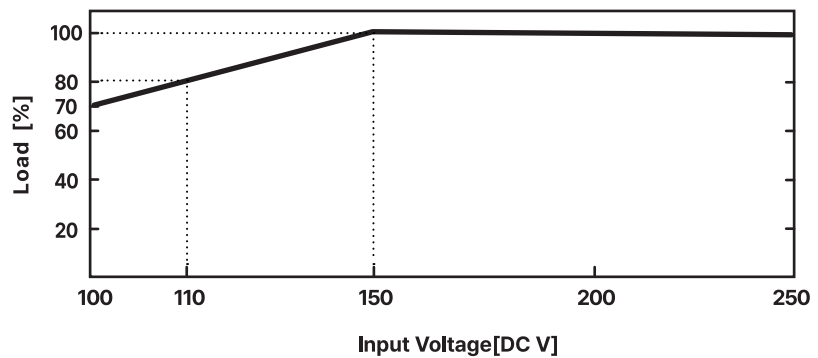


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ DC Input (+)
- ⑤ DC Input (-)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

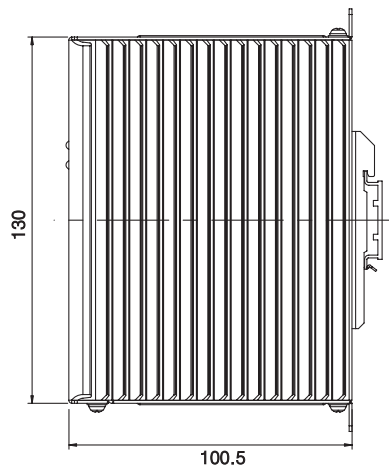
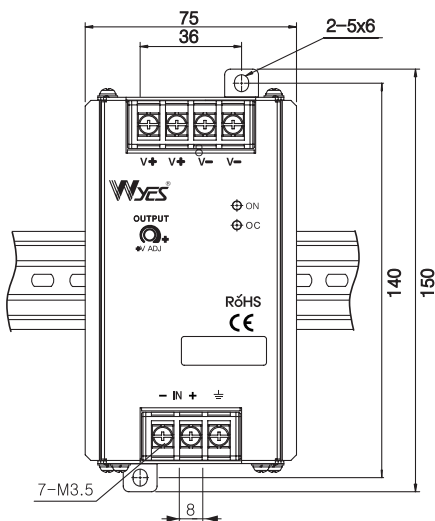
● Derating Curve For Ambient



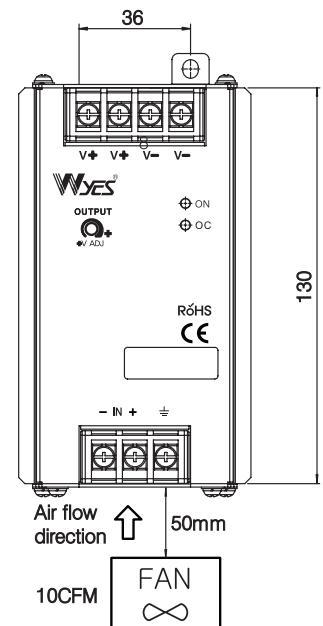
● Derating Curve For Input Voltage



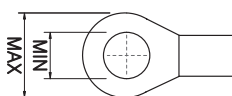
● Dimension



● Option (WYSP-300S12DD)



● Terminal



Max 7, Min 3.5