

FEATURES
250W Constant Current with Dimming
LSWCD250Series

- Wide AC Input 90~305VAC
- High Efficiency & High Power Factor
- Operation from -35°C~60°C Full Load
- IP67
- RoHS Complaint
- Certified to UL/cUL 8750


SPECIFICATIONS

Model #	Output Current	Output Voltage Range	PF (2)		Voltage Tolerance	Ripple & Noise (3)	Efficiency @ 220Vac
			110VAC	220VAC			
LSWCD250S140ST	1400mA	107~179Vdc	0.99	0.96	±5%	5.4V	92%
LSWCD250S420ST	4200mA	36~60Vdc	0.99	0.96	±5%	1.8V	92%

Output	Line Regulation	1%	
	Load Regulation	3%	
	Turn-on Delay	1.0~2.0 s (Typ)	
Input	Voltage Range	90 ~ 305 Vac	
	Frequency Range	47Hz ~63Hz	
	Inrush Current	65A cold start, Vin=230V	
	AC Current (Typ.)	2.5A / 110 VAC	1.2 A / 220 VAC
Protections	Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature Protection (Typ.)	110 °C internal temperature Auto recovery after power supply cools Typ.	
	Over Voltage (Typ.)	120% of max. output voltage Latch mode. The power supply shall return to normal operation after recycling AC.	
Environmental	Temperature Range	Operational	- 35°C ~ 60°C
		Storage	- 40 ~ +85°C
	Humidity	Operational	10% ~ 100% RH
		Storage	5% ~100% R.H

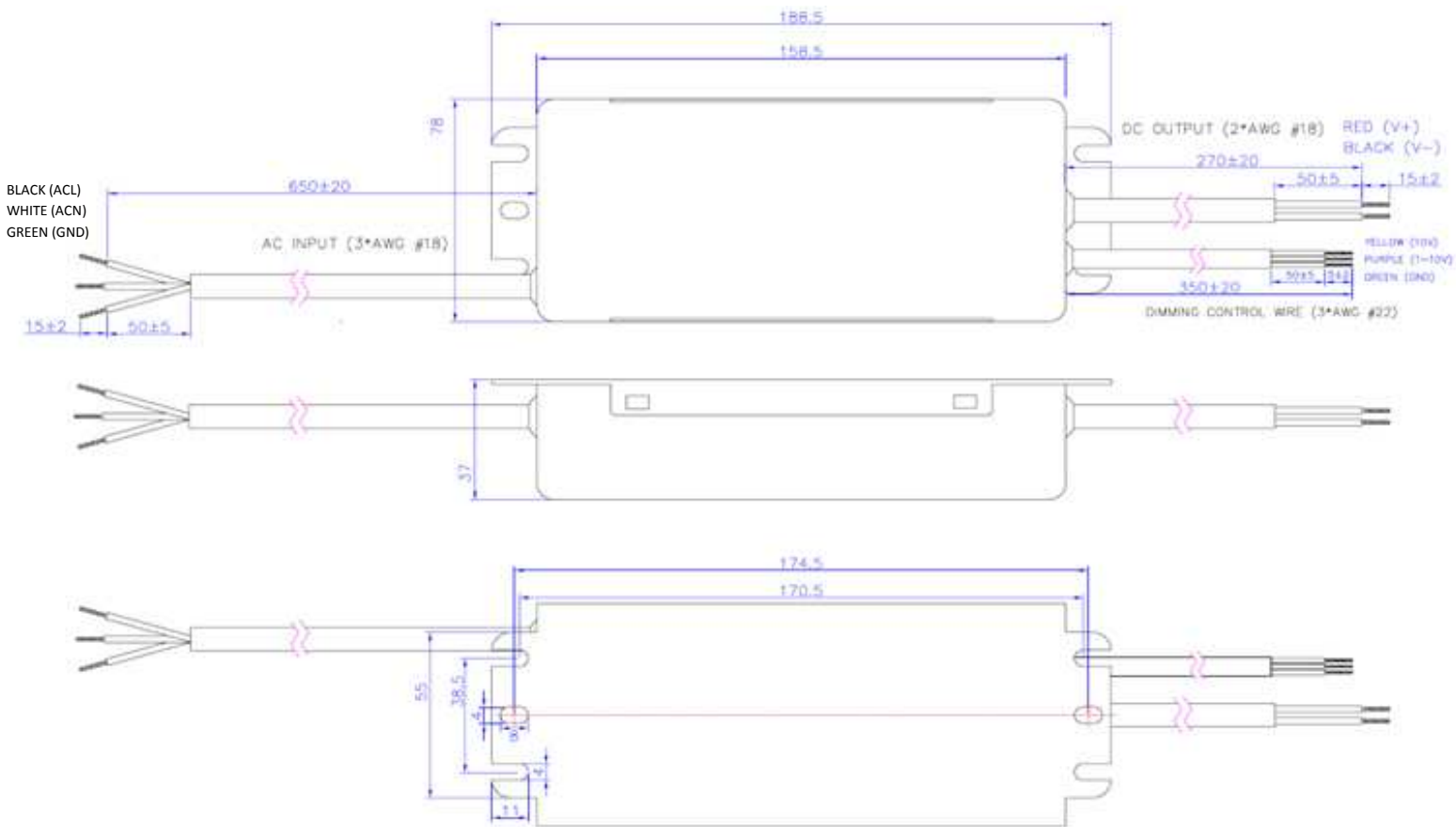
Safety & EMC	Safety Standards	UL8750, UL935, UL1012, CSA-C22.2 NO. 107.1 EN61347-1 EN61347-2-13
	EMI Conduction & Radiation	EN55015
	EMS Immunity	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61547
Others	MTBF	345,000 Hours
	Life Time	63,000 Hours
	Dimensions	(L*W*H) 7.40*3.07*1.46 inches / (L*W*H) 188.5*78*37mm
	Weight	1100G



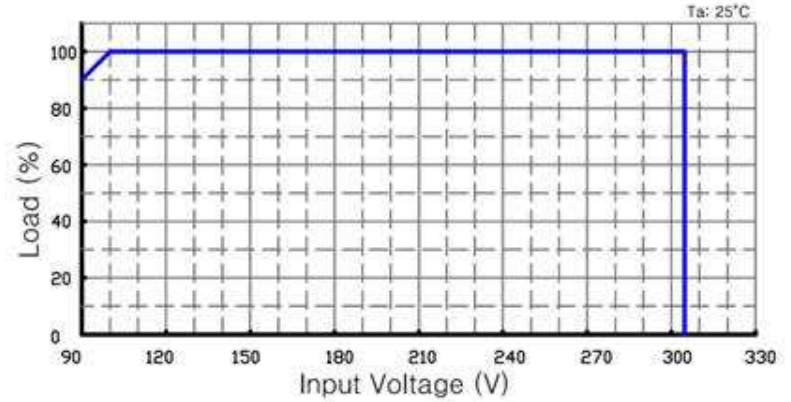
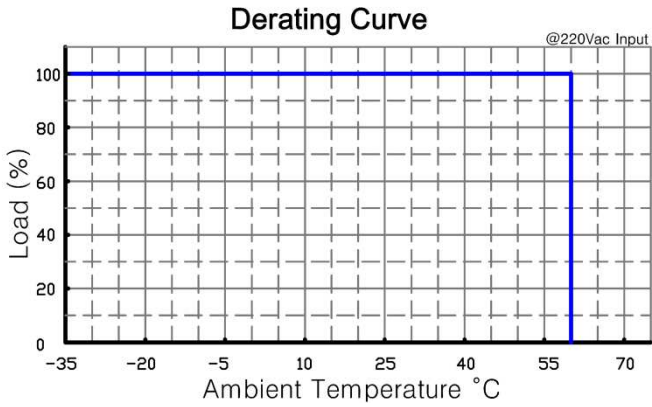
NOTE:

1. All specifications are typical at 25°C unless otherwise stated.
2. The "Efficiency" & "PF" values are measured at full load, after the unit is thermally stabilized, otherwise they will be lower about 1%.
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output parallel a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.
4. Safety pending.
5. Voltage $\pm 5V$
6. Measured at 220VAC

Mechanical Specification

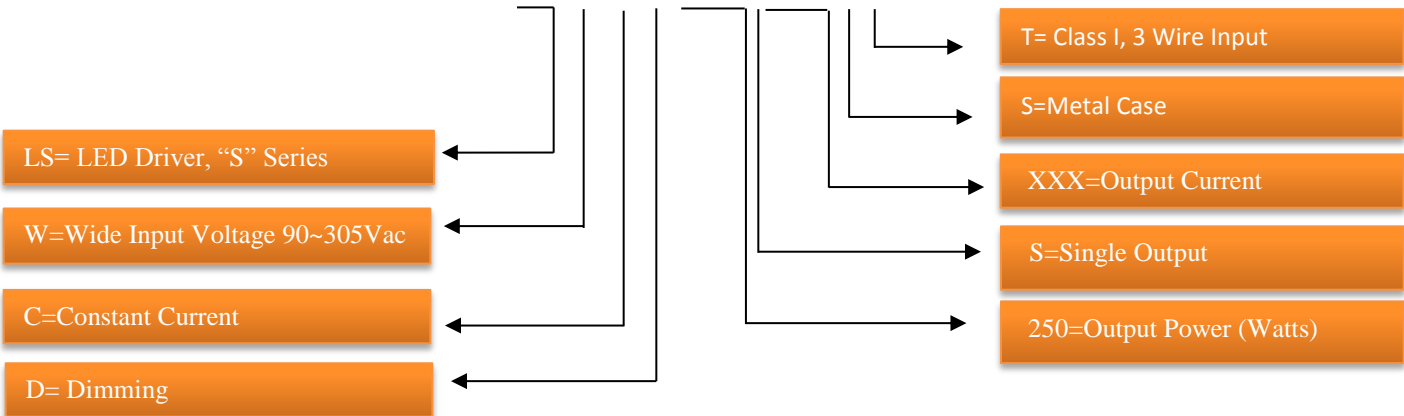


Derating Curves



PART NUMBER SCHEME

LSWCD250SxxxST



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
AUTECH IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMISSIONS

