

FEATURES

250W Constant Voltage Led Driver

LSWV-250 Series

- Wide AC Input 90~305VAC
- High Efficiency & High Power Factor
- Operation from -35°C~70°C
- IP67
- RoHS Compliant
- Certified to UL/cUL 8750



SPECIFICATIONS

Model #	Output Voltage	Output Current Range	PF (2)		Ripple & Noise (3)	Efficiency @ 220VAC (2)
			110VAC	220VAC		
LSWV-250S042ST	42V	0~5.95 mA	0.99	0.96	1.26V	92.0%

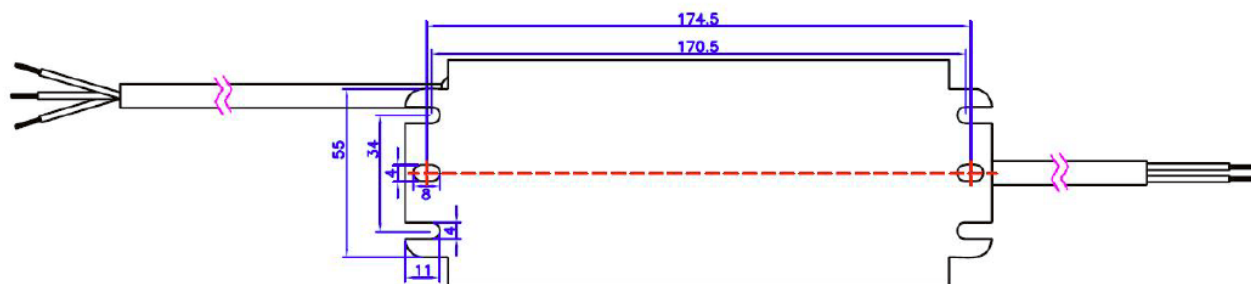
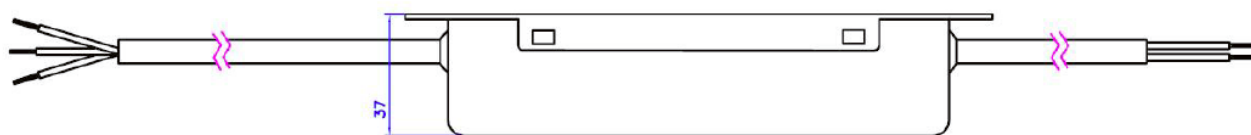
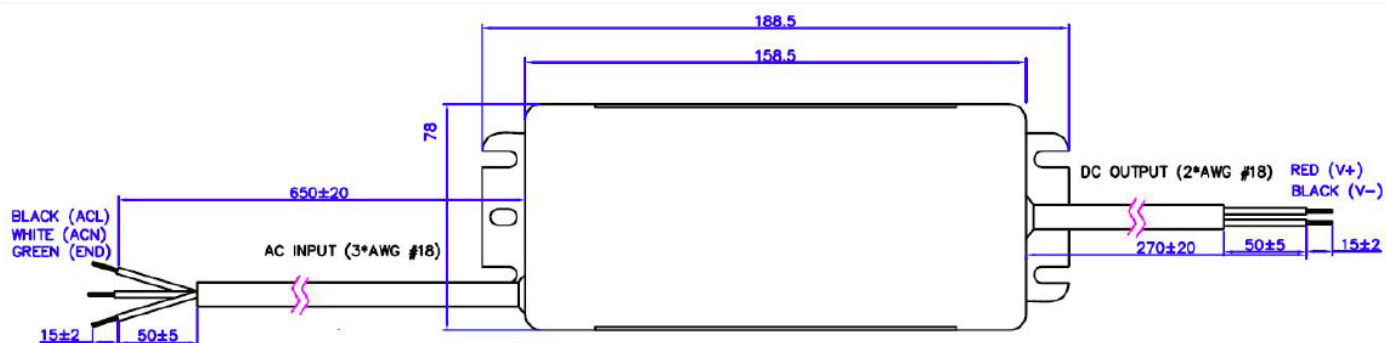
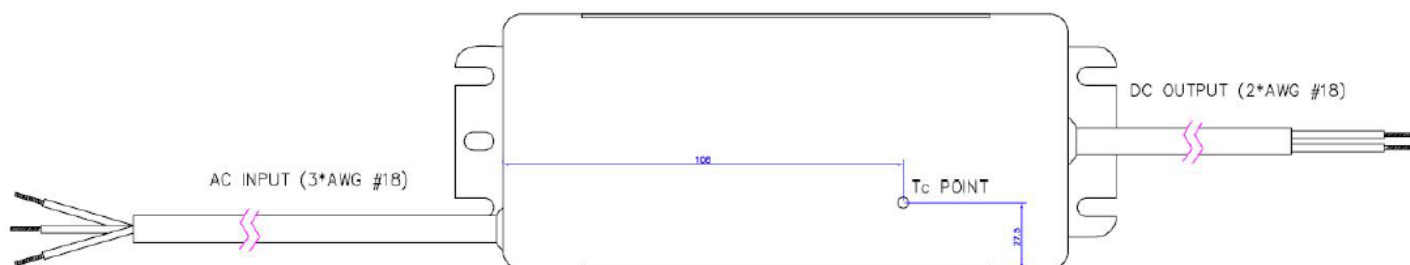
Output	Turn-on Delay Time	1s-2s	
	Line Regulation	1%	
	Load Regulation	3%	
Input	Voltage Range	90~305VAC	
	Frequency Range	47Hz~63Hz	
	Inrush Current	65A @ 230V	
	AC Current	2.5A / 110V 1.3A/220V	
Protections	Short Circuit Protection	Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature Protection	110°C Internal temperature. Auto recovery after power supply cools.	
Environmental	Temperature Range	Operational	-35°C~60°C
		Storage	-40°C~85°C
	Humidity	Operational	10~100%RH non-condensing
		Storage	5~100%RH
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	
	Weight	1100g	
	Dimensions	(L*W*H) 7.40*3.07*1.46 inches 188.5*78*37 mm	



Notes

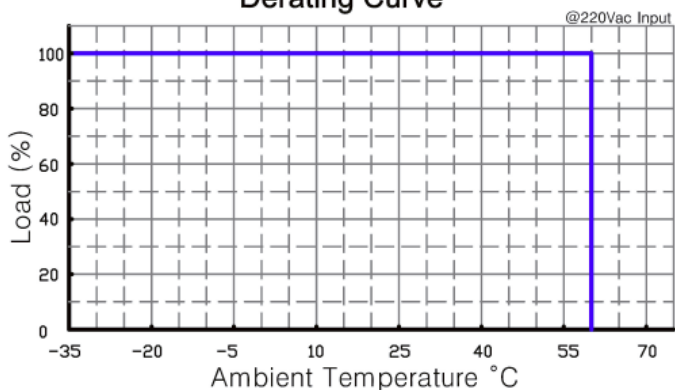
1. All specifications are typical at 25°C unless otherwise stated.
2. The "Efficiency" & "PF" values are measured at full load, after the unit is thermally stabilized, otherwise they will be lower about 1%.
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitors and a 10uF electrolytic capacitor.

Mechanical Specifications

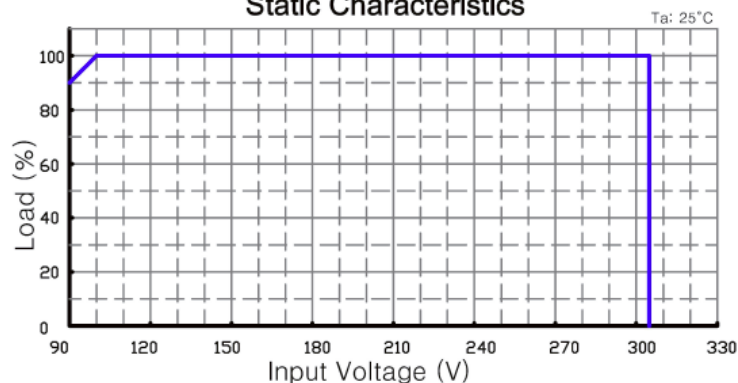


Derating Curves

Derating Curve



Static Characteristics



PART NUMBER SCHEME

LSWV-250S042ST

L=LED Driver "S" Series

W=Wide Input Voltage 90~305VAC

Constant Voltage

T= Class I, 3 Wire Input

S=Metal Case

Rated Voltage

Single Output

Rated Power (Watts)

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

