

FEATURES

120W Constant Voltage LED Driver

LSWV-120 Series

- Wide AC Input 90~305VAC
- High Efficiency & High Power Factor – Meets DLC & Energy Star
- Operation from -35°C-70°C Full Load
- Certified to UL/cUL 8750, EN61347 & CE
- Short Circuit, Over Temperature & Over Voltage Protection
- IP67
- RoHS Compliant



SPECIFICATIONS

Model #	Output Current Range (5)	Output Voltage (5)	PF (2)		Ripple & Noise (3)	Efficiency @ 220VAC (4)
			110VAC	277VAC		
LSWV-120S024ST	0-5A	24	0.99	0.9	0.7V	88.0%
LSWV-120S036ST	0-3.3A	36	0.99	0.9	1V	89.0%
LSWV-120S048ST	0-2.5	48	0.99	0.9	1.6V	90.0%

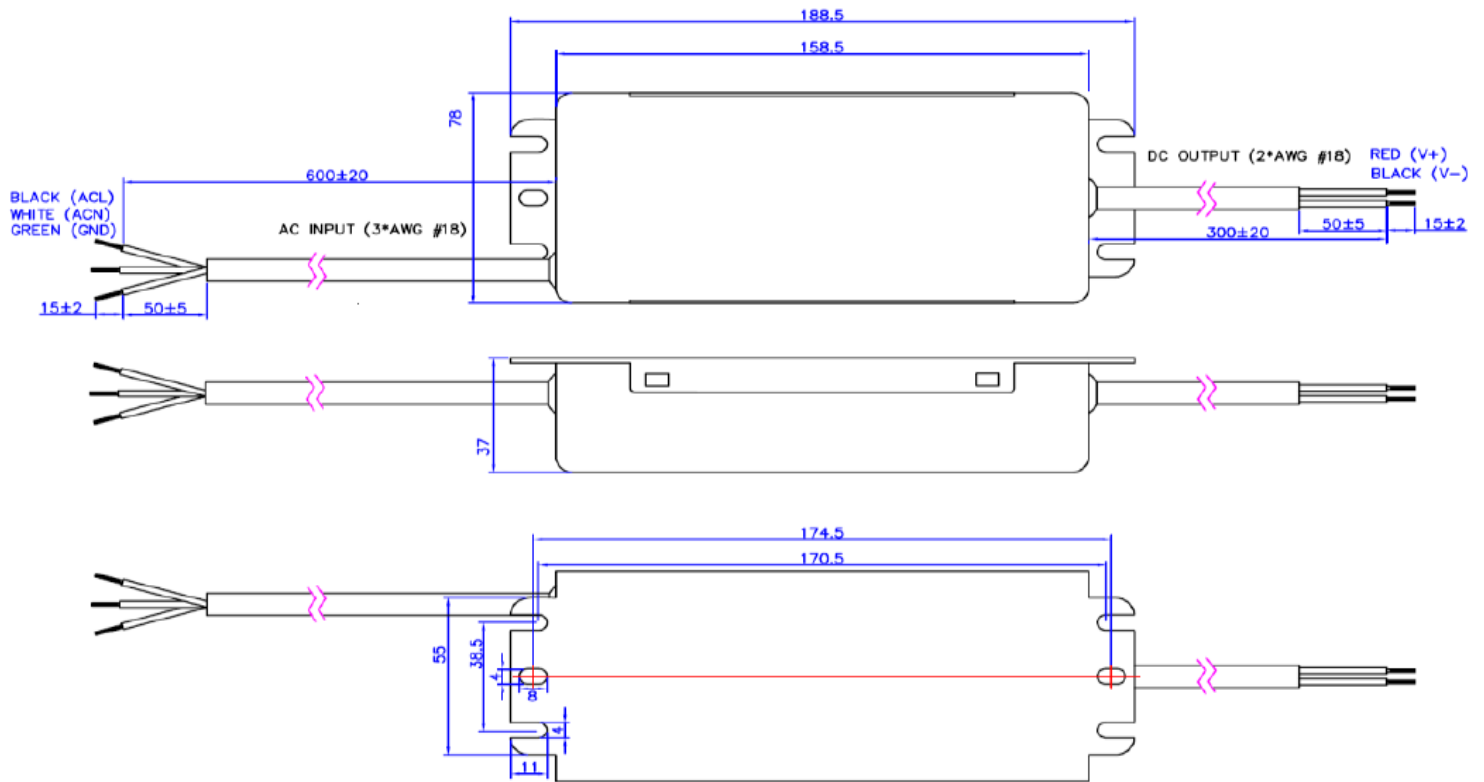
Output	Line Regulation			1%
	Load Regulation			3%
	Turn-on Delay Time			0.8~1.2s
Input	Voltage Range			90~305VAC
	Frequency Range			47Hz~63Hz
	Inrush Current			65A cold start, Vin=230V
	AC Current			1.6 A / 110 VAC 0.7 A / 220 VAC
	Leakage			0.75 mA Vin=277, 50Hz
	THD			<20% @277 & 70% load
	Protection	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed	
Over Temperature		110°C Internal temperature. Auto recovers after power supply cools.		
Over Voltage		130% of max voltage. Latch mode. The power supply shall return to normal operation only after recycling AC.		
Environment	Temperature Range	Operational	-35°C~70°C	
		Storage	-40°C~85°C	
	Humidity	Operational	10%~100%RH	
		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	275,000 hours		
	Life Time	82,000 hours		
	Dimensions	(L*W*H) 7.40*3.07*1.46 inches 188.5*78*37 mm		
	Weight	900g		



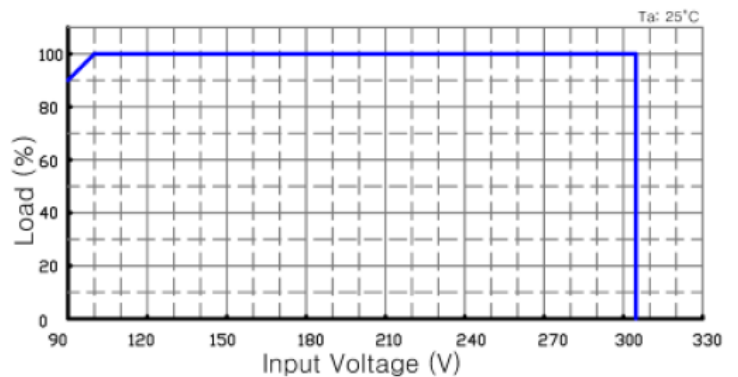
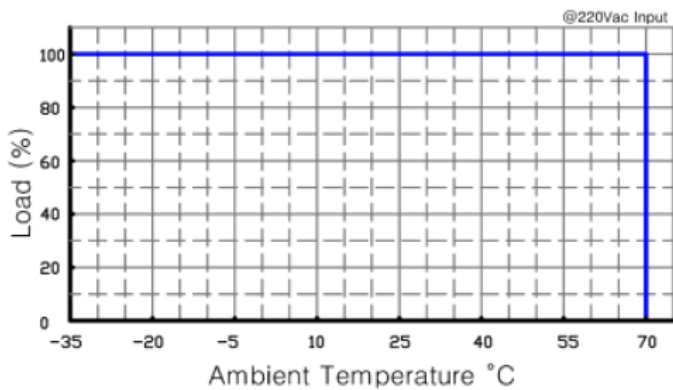
Note:

1. All specifications are typical at 25°C unless otherwise stated.
2. values are measured at 70% load, after the unit is thermally stabilized.
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.
4. Typical at full load
5. +/- 5%

Mechanical Specifications

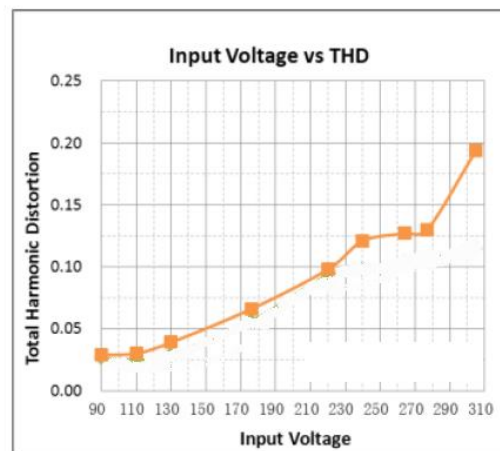
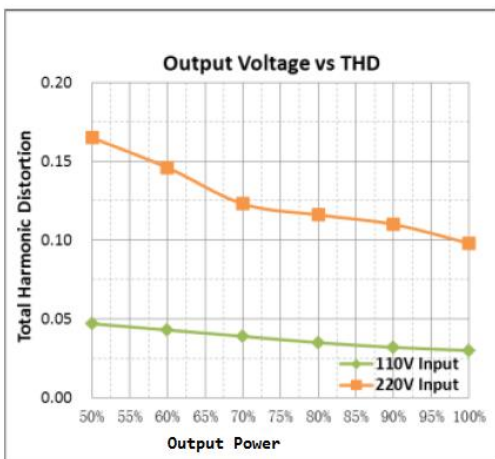
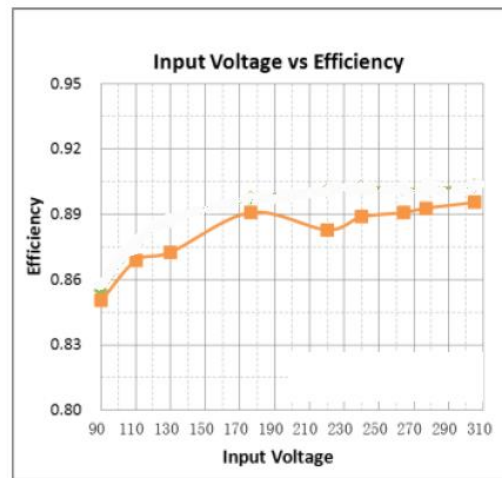
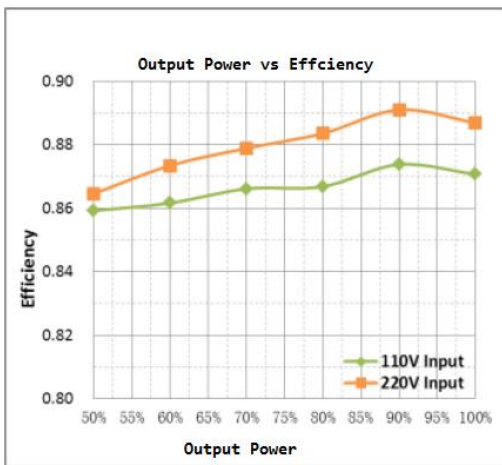
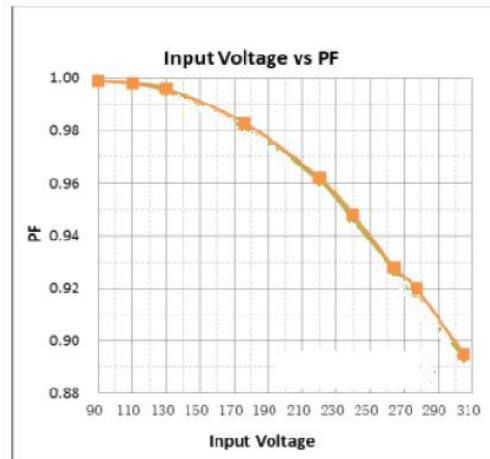
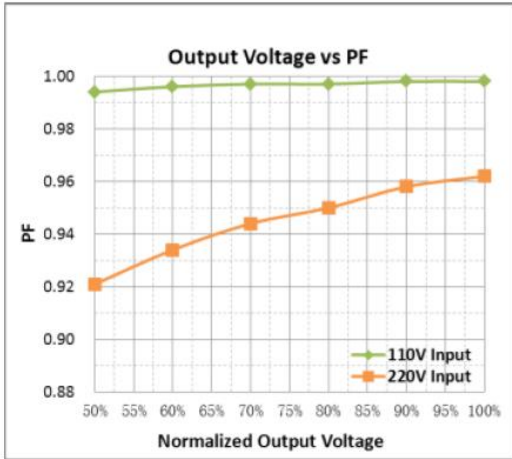


Derating Curves



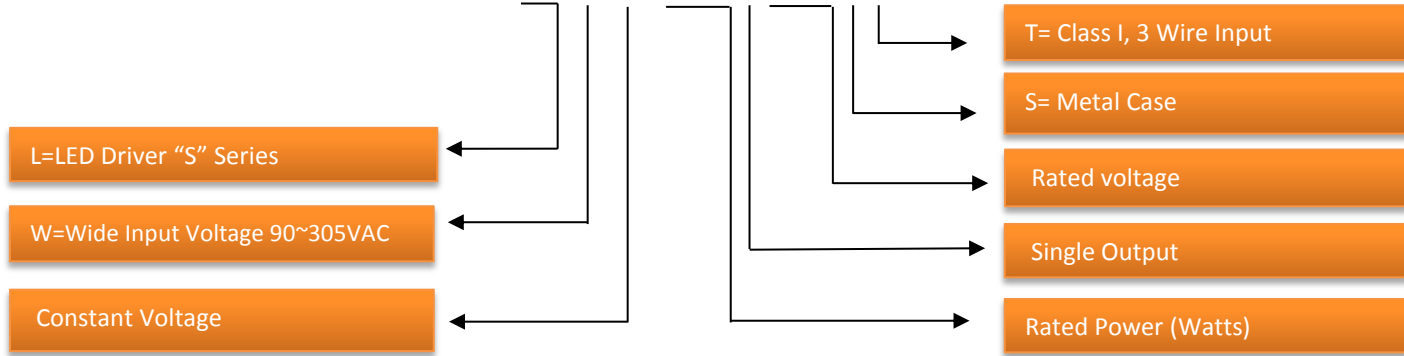
Performance Curves

LSWV-120S048ST



PART NUMBER SCHEME

LSWV-120S048ST



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