

FEATURES

- 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

120W Constant Voltage LED Driver

LSWV-120 Series



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%

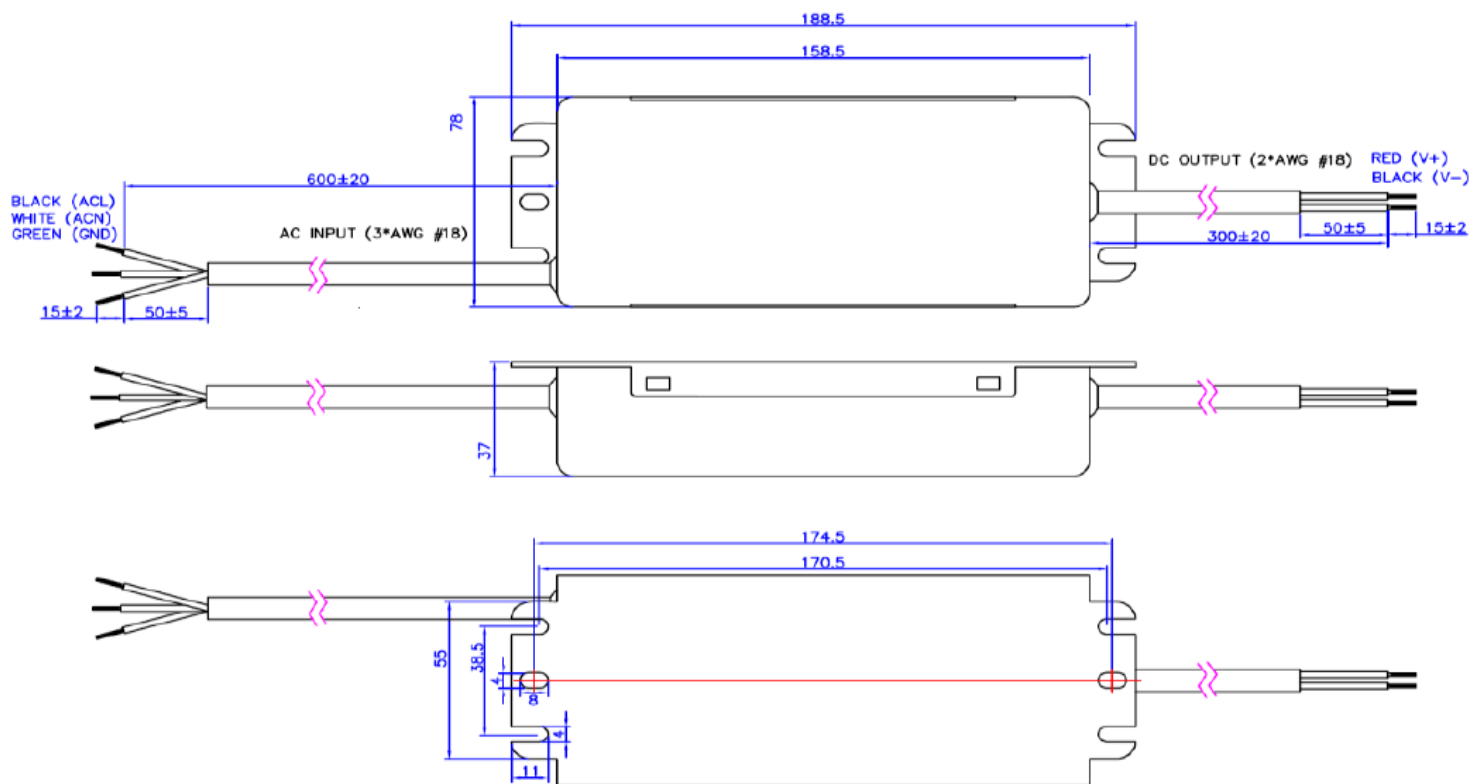
Output	Line Regulation	1%	
	Load Regulation	3%	
	Turn-on Delay Time	0.8~1.2s	
Input	Voltage Range	90~305VAC	
	Frequency Range	47Hz~63Hz	
	Inrush Current	65A cold start, Vin=230V	
	AC Current	1.6 A / 110 VAC 0.7 A / 220 VAC	
	Leakage	0.75 mA Vin=277, 50Hz	
	THD	<20% @277 & 70% load	
	Protection	Protection type: Hiccup mode, recovers automatically after fault condition is removed	
Protection	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.	
	Temperature Range	Operational	-35°C~70°C
Environment	Humidity	Storage	-40°C~85°C
		Operational	10%~100%RH
	Safety & EMC	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	



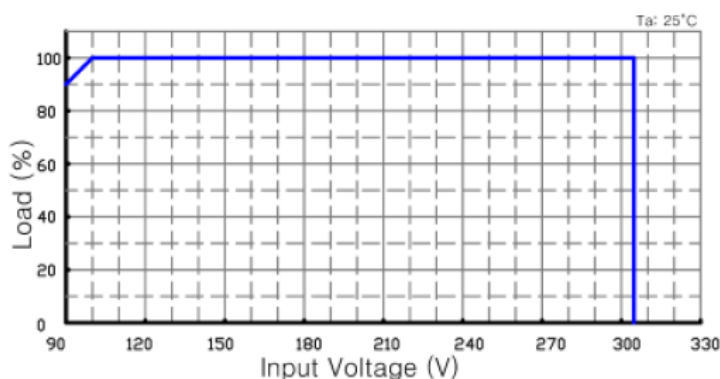
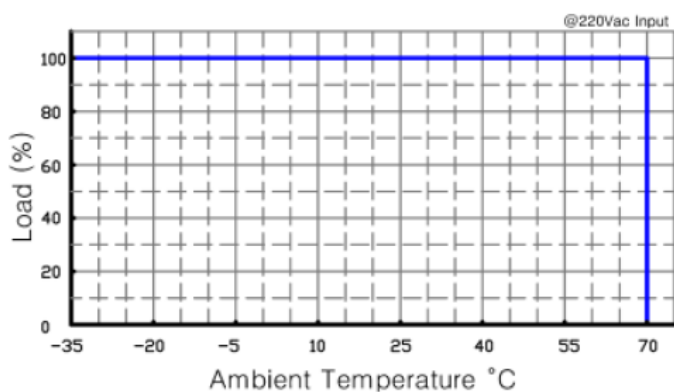
Note:

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

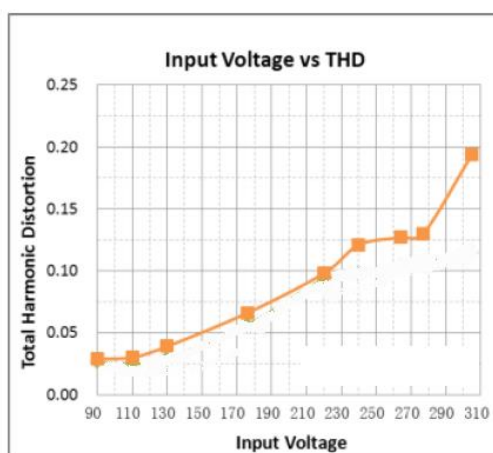
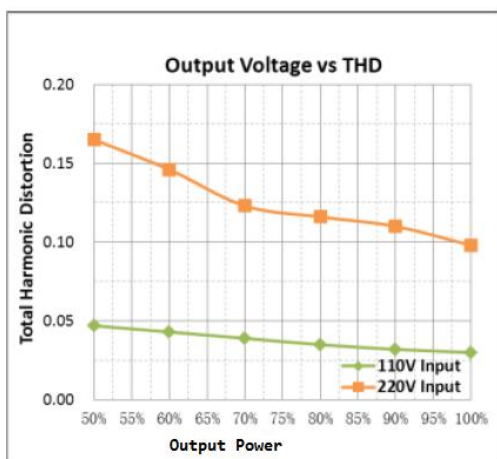
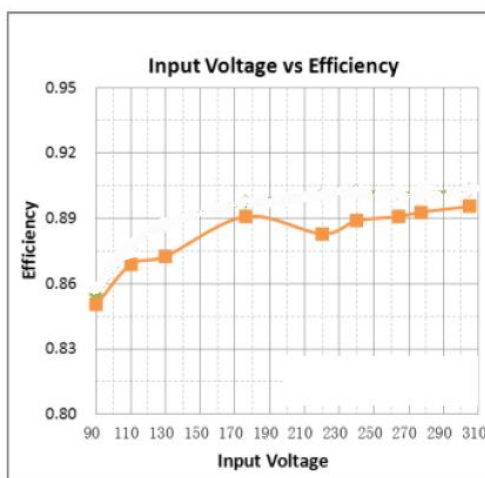
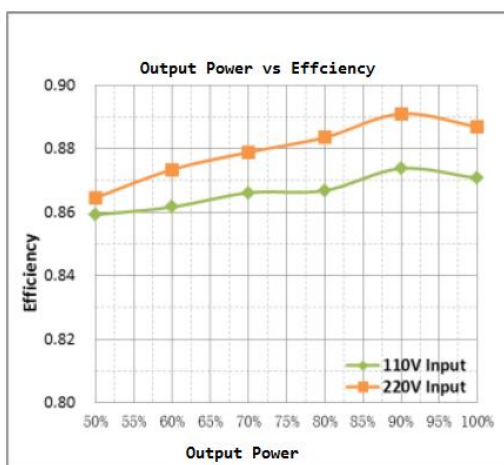
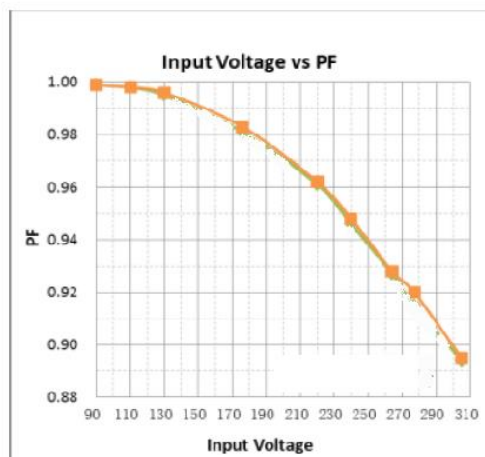
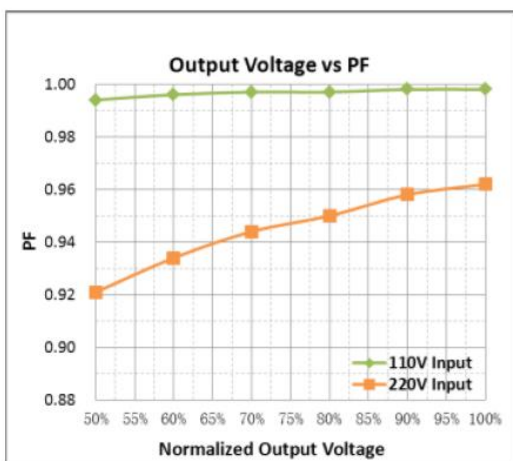


Derating Curves



Performance Curves

LSWV-120S048ST



PART NUMBER SCHEME

LSWV-120S048ST

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 AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMMISIONS

