

FEATURES

120W Constant Voltage LED Driver

LSWV-120 Series

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



SPECIFICATIONS

Model #	Output Current Range	Output Voltage	PF (2)		Ripple & Noise (3)	Efficiency @ 220VAC (2)
			110VAC	220VAC		
LSWV-120S048ST	0~2.5	48V	0.99	0.96	1.6V	90.0%

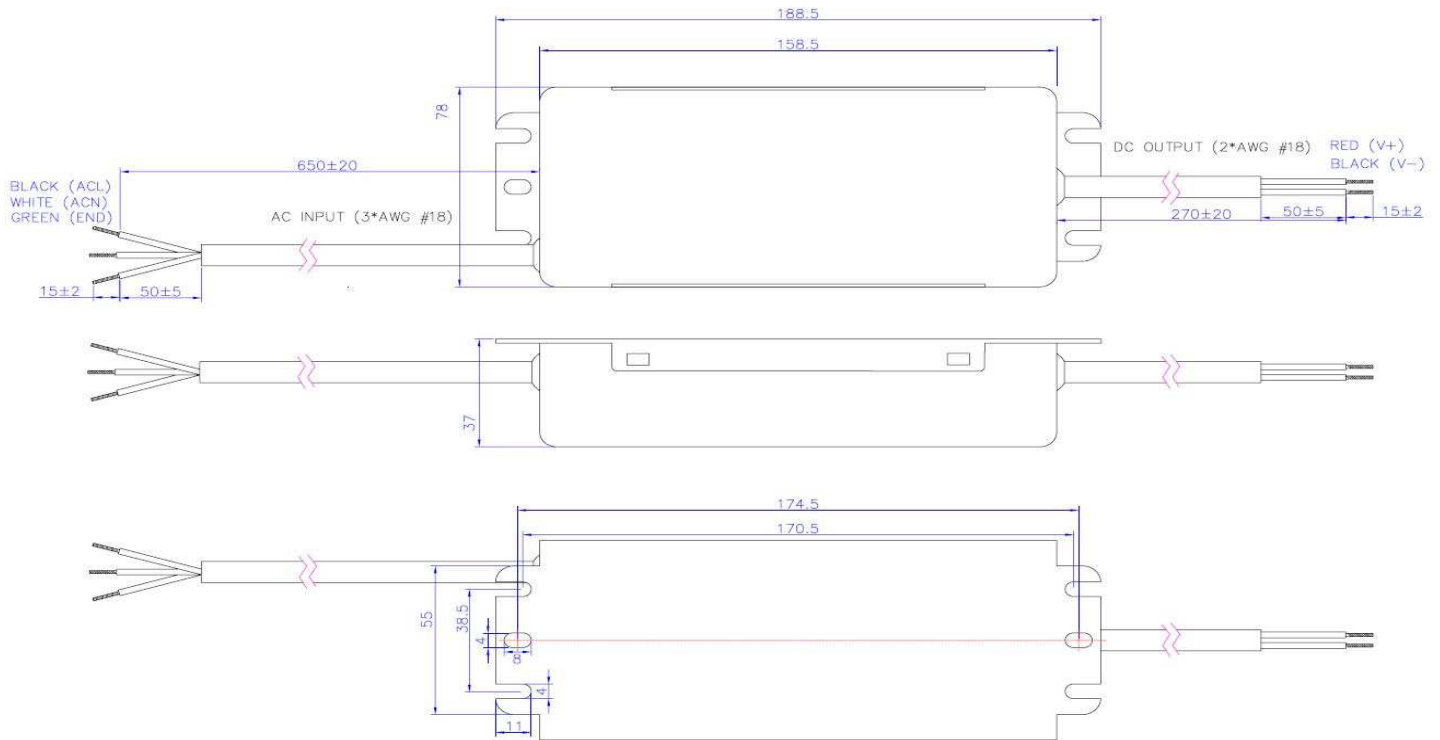
Output	Line Regulation			1%
	Load Regulation			3%
	Turn-on Delay Time			0.8~1.2s
	Leakage			0.75 mA Vin=277, 50Hz
Input	Voltage Range			90~305VAC
	Frequency Range			47Hz~63Hz
	Inrush Current			65A cold start, Vin=230V
	AC Current			1.6 A / 110 VAC 0.7 A/ 220 VAC
Safety & Protections	Short Circuit Protection	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
	Over Temperature Protection	110°C Internal temperature. Auto recovery after power supply cools.		
	Over Voltage Protection	130% of max voltage. Latch mode. The power supply shall return to normal operation only after recycling AC.		
Environmental	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	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 paralleled a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

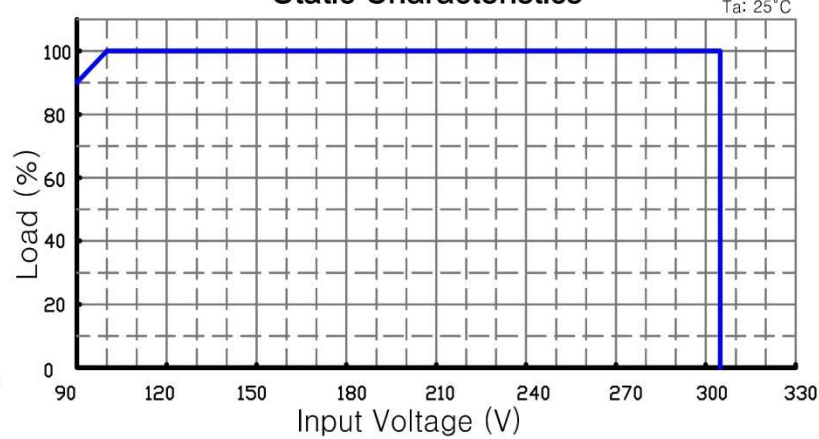
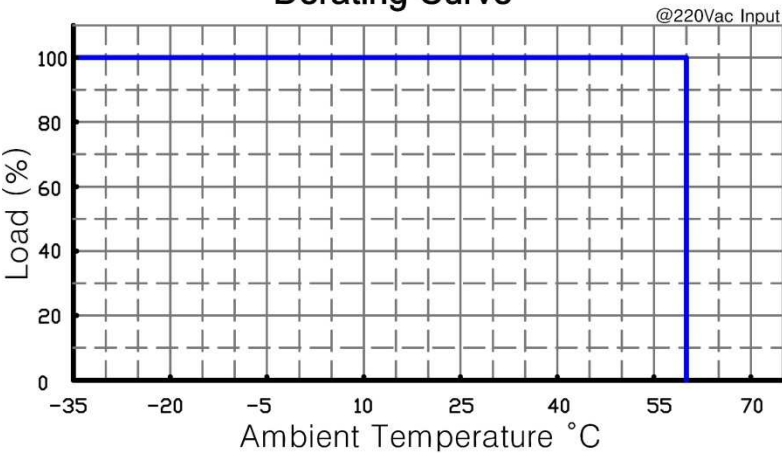
Mechanical Specification



Derating Curves

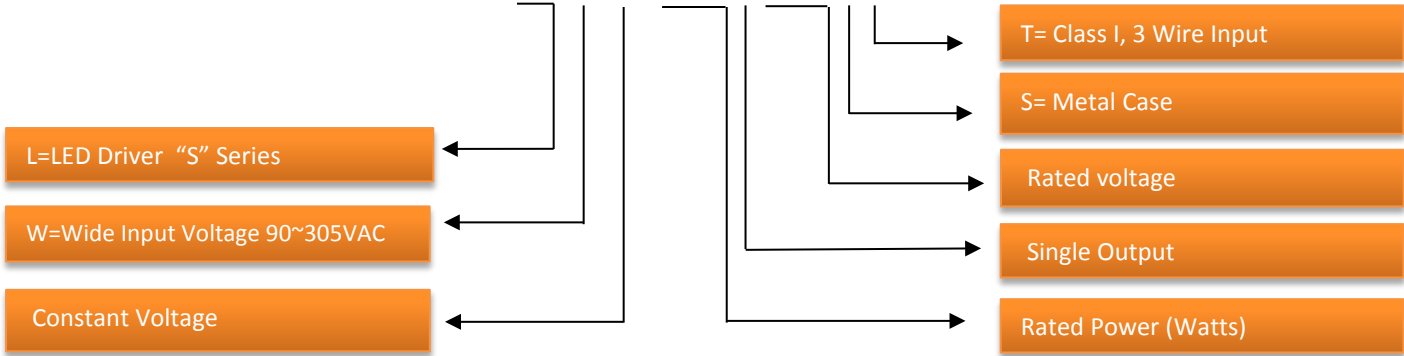
Derating Curve

Static Characteristics



PART NUMBER SCHEME

LSWV-120S048ST



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

