

FEATURES
200W Constant Current LED Driver
LSWC-200 Series

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


SPECIFICATIONS

Model #	Output Current	Output Voltage Range	PF (2)		No Load Output (5)	Ripple & Noise (3)	Efficiency (6)
			110VAC	220VAC			
LSWC-200S045ST(4)	450mA	267~444V	0.99	0.96	467V	13.3V	93.0%
LSWC-200S070ST	700mA	171~286V	0.99	0.96	300V	8.6V	93.0%
LSWC-200S105ST(4)	1050mA	114~190V	0.99	0.96	200V	5.7V	93.0%
LSWC-200S140ST	1400mA	86~143V	0.99	0.96	150V	4.3V	93.0%
LSWC-200S175ST(4)	1750mA	69~114V	0.99	0.96	120V	3.4V	92.0%
LSWC-200S210ST	2100mA	57~95V	0.99	0.96	105V	2.9V	91.5%
LSWC-200S245ST(4)	2450mA	49~82V	0.99	0.96	90V	2.4V	91.5%
LSWC-200S280ST	2800mA	43~71V	0.99	0.96	78V	2.1V	91.5%
LSWC-200S315ST(4)	3150mA	38~63V	0.99	0.96	70V	1.9V	91.5%
LSWC-200S350ST	3500mA	34~57V	0.99	0.96	63V	1.7V	91.5%
LSWC-200S420ST	4200mA	29~48V	0.99	0.96	52V	1.4V	91.5%

Output	Line Regulation	1%
	Load Regulation	3%
	Turn-on Delay Time	1.0 ~2.0 S
	Leakage	0.75 m A Vin=277V, 50Hz
Input	Voltage Range	90 ~ 305 Vac
	Frequency Range	47Hz ~63Hz
	Inrush Current	65A cold start, Vin=230V
	AC Current (Typ.)	2.1 A / 110 VAC 1.0 A / 220 VAC
Protections	Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed
	Over Temperature Protection	110 °C (Typ.) Internal temperature. Auto recovery after power supply cools.
	Over Voltage	120% of max voltage Latch mode. The power supply shall return to normal operation only after recycling AC.

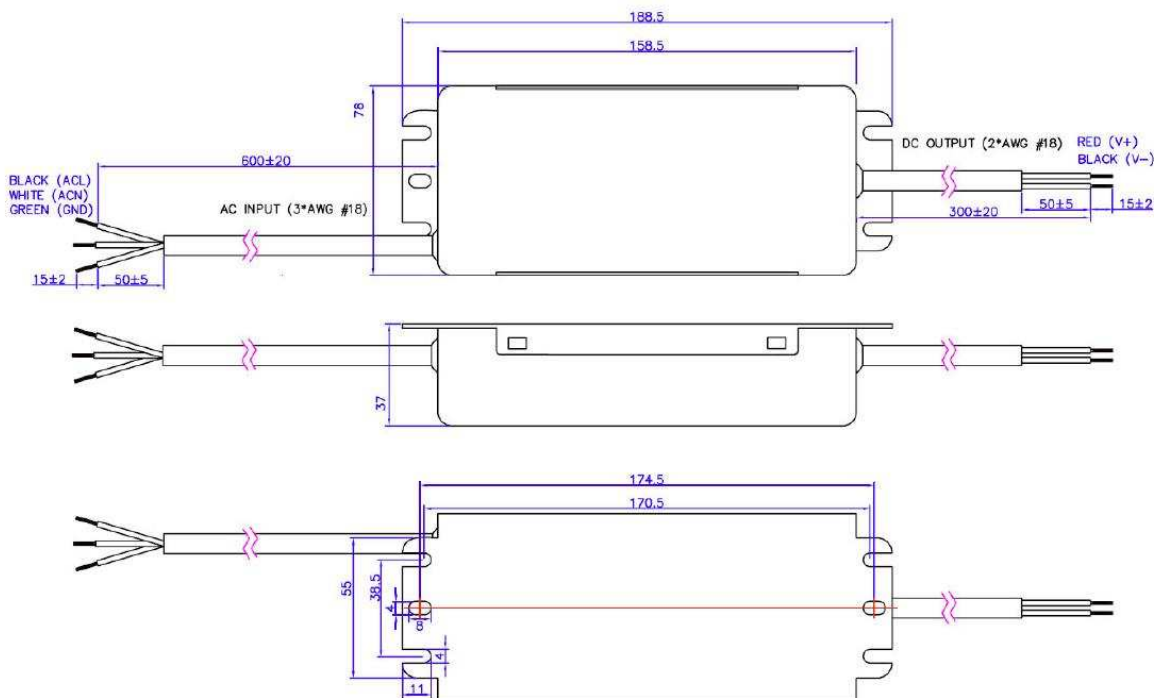


Environmental	Temperature Range	Operational	- 35°C ~ 60°C
		Storage	- 40 ~ +85°C
	Humidity	Operational	10% ~ 100% RH
		Storage	5% ~ 100% R.H
Safety & EMC	Safety Standards (4)	UL8750, UL935, UL1012, CSA-C22.2 No.107.1 EN61347-1, EN61347-2-13	
	EMI Conduction & Radiation	EN55015	
	EMS Immunity	EN61000-3-2, 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	

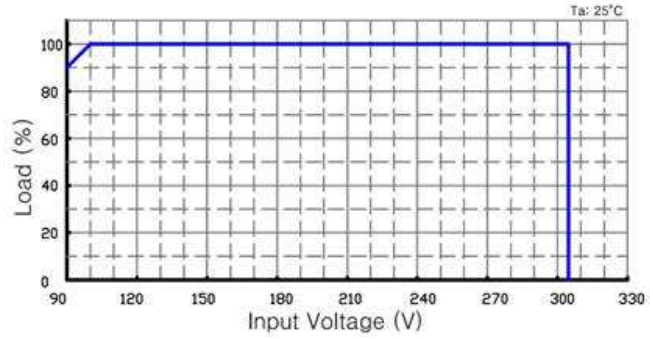
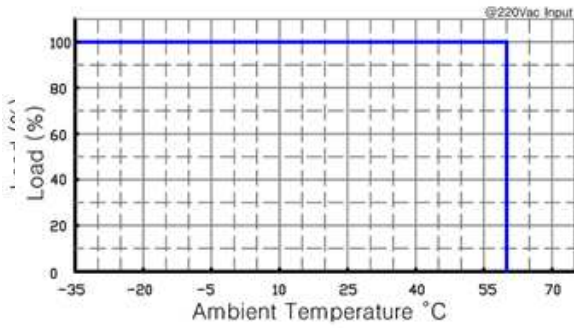
NOTE:

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 paralleled a 0.1µF ceramic capacitor and a 10µF electrolytic capacitor.
4. Safety pending
5. Voltage ±5V
6. Measured at 220VAC

Mechanical Specification

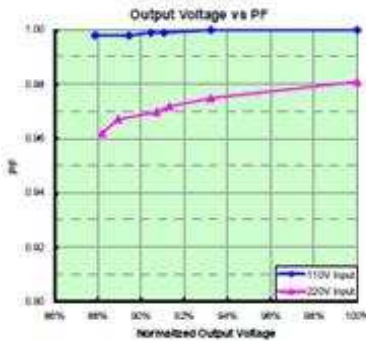


Derating Curves

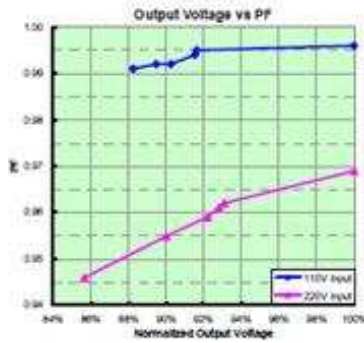


Power Factor Characters

LSWC-200S045ST

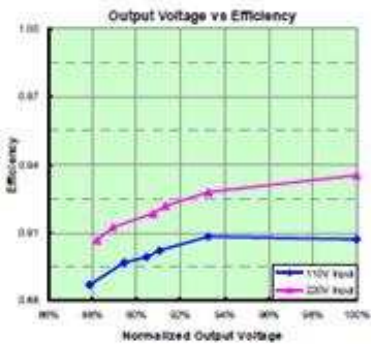


LSWC-200S420ST

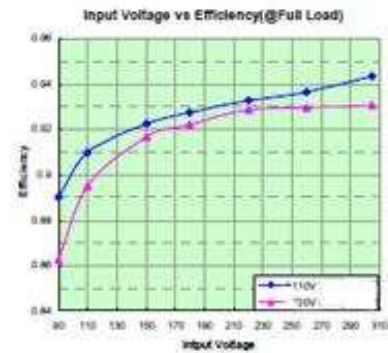
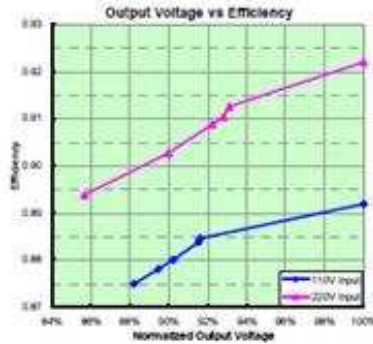


Efficiency vs Load

LSWC-200S045ST



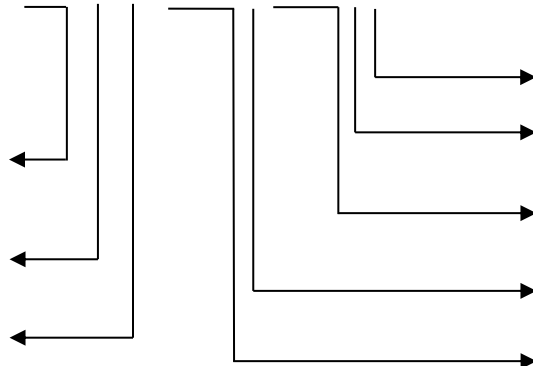
LSWC-200S420ST



PART NUMBER SCHEME

LSWC-200SxxxST

- LS=LED Driver "S" Series
- W= Wide Input Voltage 90~305VAC
- C= Constant Current



- T= Class I, 3 Wire Input
- S= Metal Case
- XXX= Rated Current
- S= Single Output
- 200= Output Power (Watts)

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

