

FEATURES

200W Constant Current

LSWC-200 SERIES

- Ultra High Efficiency (Up to 93%)
- Build-in Active PFC (0.99 Typical)
- All-Round protection: OVP, SCP, OTP
- Waterproof (IP67)
- Constant Output Current



SPECIFICATION

Model		LSWC-200S045ST	LSWC-200S070ST	LSWC-200S105ST	LSWC-200S140ST	LSWC-200S175ST	LSWC-200S210ST	
Output	Voltage	267~444	171~286	114~190	86~143	69~114	57~95	
	Current (min-max)	450 mA	700 mA	1050 mA	1400 mA	1750 mA	2100 mA	
	No load Output Voltage ± 5 V	467	300	200	150	120	105	
	Ripple & Noise (3)	13.3 V	8.6 V	5.7 V	4.3 V	3.4 V	2.9 V	
	Line Regulation	1%						
	Load Regulation	3%						
	Turn-on Delay Time (typ-max)	1.0 ~2.0 S						
	Leakage	0.75 m A Vin=277V, 50Hz						
Input	Voltage Range		90 ~ 305 Vac					
	Frequency Range		47Hz ~63Hz					
	PFC(2)	110VAC 220VAC	0.99 0.96	0.99 0.96	0.99 0.96	0.99 0.96	0.99 0.96	
	Efficiency (Typ.) at 220Vac (2)		93.0%	93.0%	93.0%	93.0%	92.0%	91.5%
	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 (Typ.)		110 °C					
	Over Voltage (Typ.)		1.2 Vo ±5% floating deviation (Latch mode. The power supply shall return to normal operation only after the power is turn-on again.)					
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		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					
	Dimension		Inches (L*W*H)	7.40*3.07*1.46	Millimeters (L*W*H)	188.5*78*37		
	Weight		1100G					



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SPECIFICATION

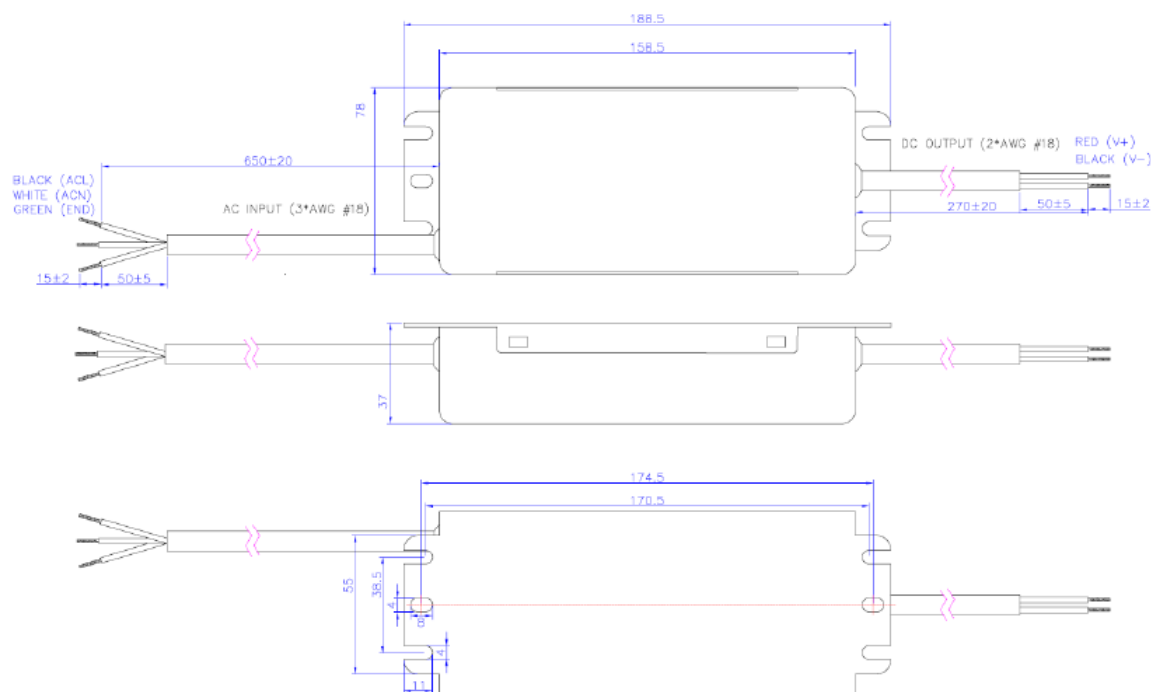
Model			LSWC-200S245ST	LSWC-200S280ST	LSWC-200S315ST	LSWC-200S350ST	LSWC-200S420ST
Output	Voltage		49~82	43~71	38~63	34~57	29~48
	Current Range		0-2450 m A	0-2800 m A	0-3150 m A	0-3500 m A	0-4200 m A
	No load Output Voltage $\pm$ 5 V		90	78	70	63	52
	Ripple & Noise (3)		2.4 V	2.1 V	1.9 V	1.7 V	1.4 V
	Line Regulation		1%				
	Load Regulation		3%				
	Turn-on Delay		1.0 ~2.0 S				
	Leakage		0.75 mA Vin=277V, 50Hz				
Input	Voltage Range		90 ~ 305 Vac				
	Frequency Range		47Hz ~ 63Hz				
	PFC (2)	110	0.99	0.99	0.99	0.99	0.99
		220	0.96	0.96	0.96	0.96	0.99
	Efficiency (Typ.) at 220Vac (2)		91.5%	91.5%	91.5%	91.5%	91.5%
	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 (Typ.)		110 °C				
	Over Voltage (Typ.)		1.25% Vo $\pm$ 5% floating deviation (Latch mode. The power supply shall return to normal operation only after the power is turn-on again.)				
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		UL8750, UL935, UL1012, CSA-C22.2 No.107.1 EN61347-1, EN61347-2-13				
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Others	MTBF		345,000 hours				
	Life Time		63,000 HOURS				
	Dimension (L*W*H)		Inches (L*W*H)	7.40*3.07*1.46	Millimeters (L*W*H)	188.5*78*37	
	Weight		1100G				



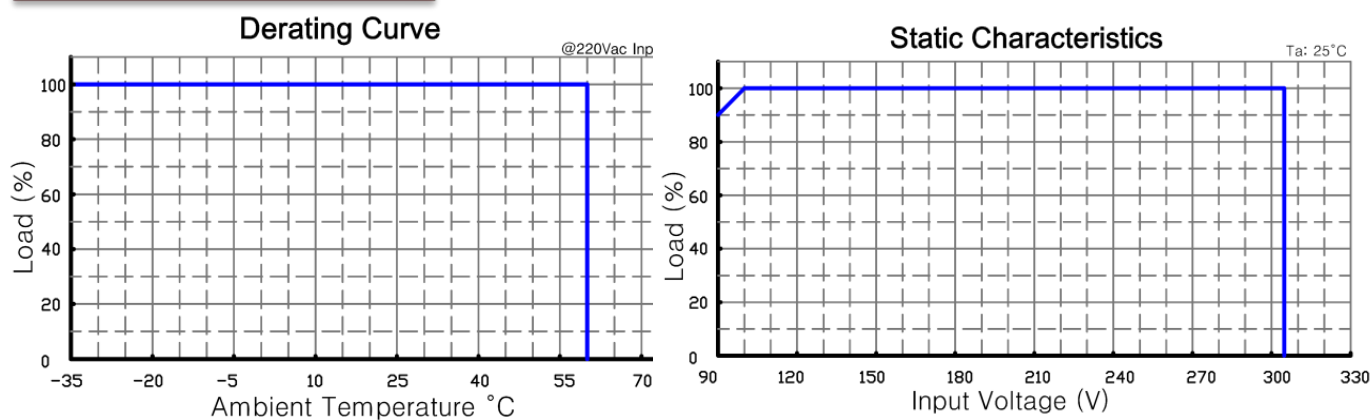
NOTE:

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 10uF electrolytic capacitor.

Mechanical Specification

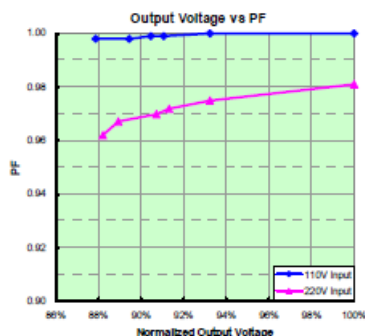


Derating character

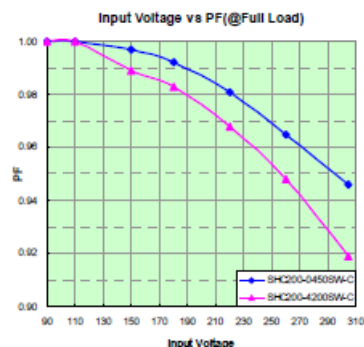
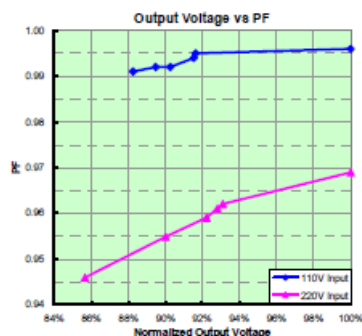


Power Factor Characters

LSWC-200S045ST

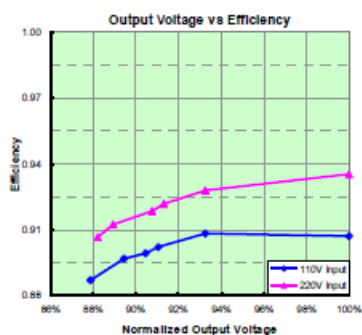


LSWC-200S420ST

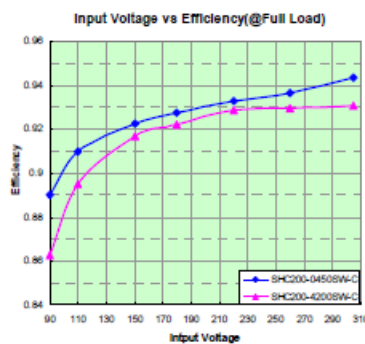
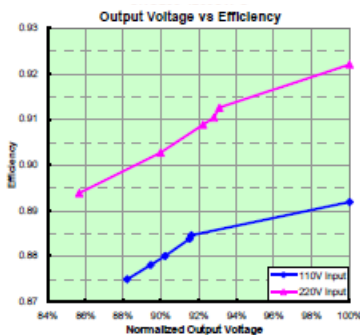


Efficiency vs Load

LSWC-200S045ST



LSWC-200S420ST



PART NUMBER SCHEME

LSWC-200S045ST

LED Driver

W= Wide input Range 90~305 Vac

Constant current

T= Standard 3 Pin UL

Steel Case

Rated current

Single output

Total Power

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