

FEATURES

- 90-305VAC Input
- Built-in Active PFC Function
- UL/cUL 8750, EN61347 & CE Certified
- Class 2 Output (See Notes)
- Over Voltage, Short Circuit & Over Temperature Protection
- IP65 Waterproof Certified
- RoHS Compliant
- 2 Year Warranty

25W Constant Current LED Driver

LGW-025SC Series



SPECIFICATIONS

Model #	Voltage Range	Output Current (3)	Ripple & Noise	Efficiency @ 240VAC (6)	PF	
					120VAC	240VAC
LGW-025S052-035PSC (5)	42~52V	350mA	3V	82.0%	0.98	0.9
LGW-025S052-048PSC (5)	42~52V	480mA	4V	84.0%	0.98	0.9
LGW-025S048-052PSC (5)	35~48V	520mA	3V	83.0%	0.98	0.9
LGW-025S036-070PSC (4)	21~36V	700mA	3V	85.0%	0.98	0.9
LGW-025S024-105PSC (4)	16~24V	1050mA	3V	84.0%	0.98	0.9
LGW-025S018-140PSC (4)	12~18V	1400mA	3V	83.0%	0.98	0.9
LGW-025S012-210PSC (4)	8~12V	2100mA	3V	82.0%	0.98	0.9

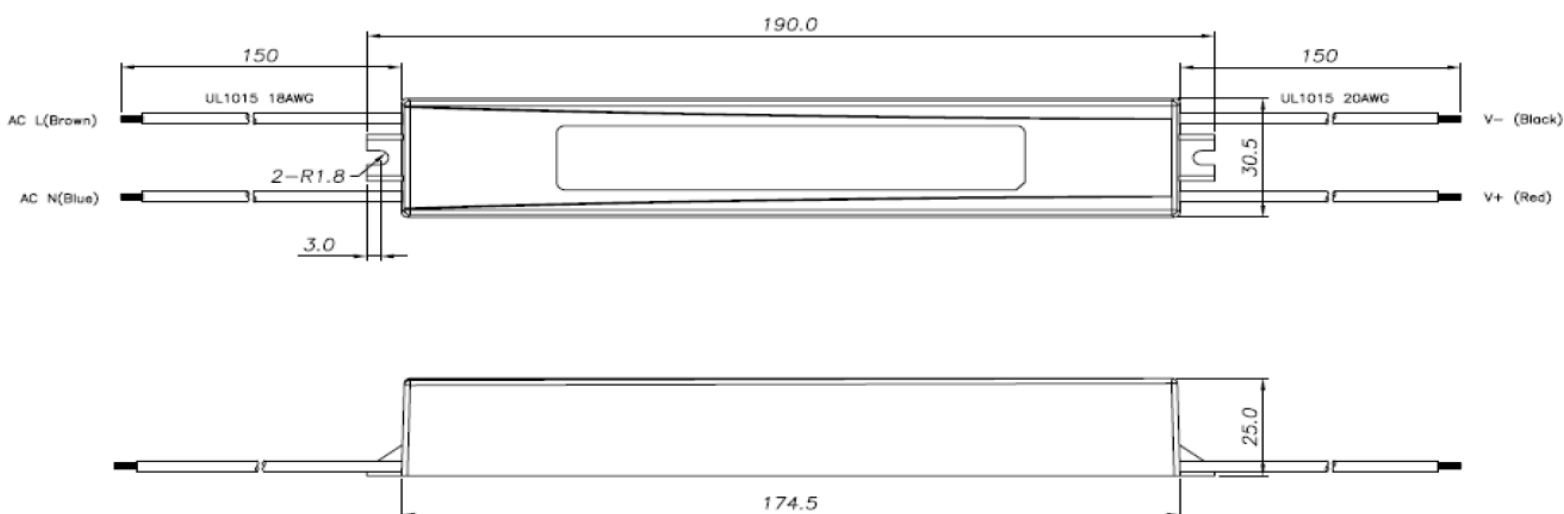
Output	Turn-on Delay Time	2.5 sec / 115 Vac	
	Leakage	<0.25mA / 230VAC	
Input	Voltage Range	90VAC ~ 295VAC	
	Frequency Range	47Hz~63Hz	
	Inrush Current	Cold Start 20A @ 264VAC	
	AC Current	0.25A @ 115VAC / 0.1A @ 230VAC	
Protections	Short Circuit	Hiccup mode. Power supply will restart after the fault condition is removed with no damage to the power supply.	
	Over Temperature	Auto recovery after cooling	
	Over Voltage	Latching: 110% ~ 150% of max output voltage, recycle AC to start	
Environmental	Temperature Range	Operational	-20°C ~ +50°C
		Storage	-40°C~85°C
	Humidity	Operational	20% ~ 100% RH
		Storage	10% ~ 100% RH
Safety & EMC	Safety Standards	UL8750, UL1310, EN61347-1, EN61347-2-13, CE	
	EMI Conduction & Radiation	Meet Compliance to EN55015, FCC part 15	
	EMS Immunity	EN61000-4-2,3,4,5,6,11,EN61547	
Others	MTBF	200,000 hours MIL-HDBK-217F (25°C)	
	Dimensions	(L*W*H) 174.5*30.5*25 mm	
	Weight	220g	



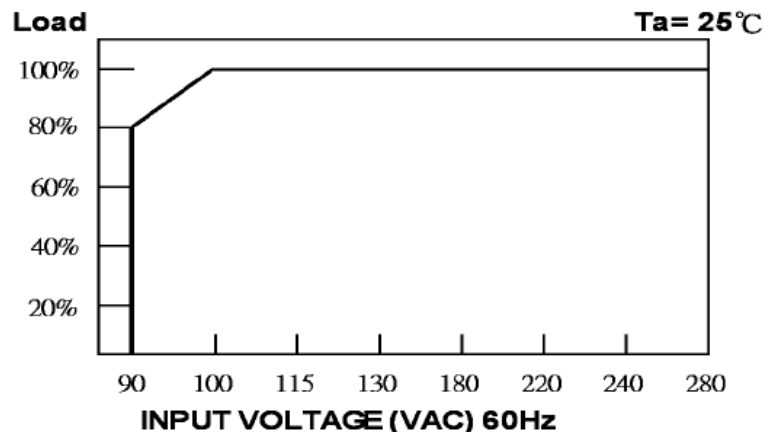
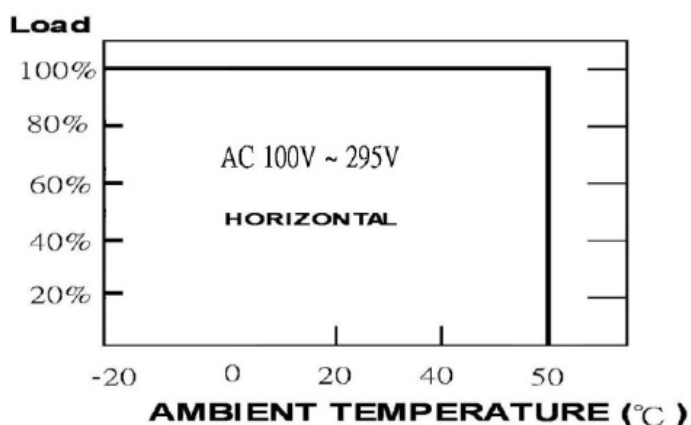
NOTES:

1. All specifications not specially mentioned are measured at 230V AC and 25°C ambient temperature.
2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf Parallel capacitor.
3. +/- 5%
4. Class 2 US & Canada
5. Class 2 US Only
6. Typical

Mechanical Specifications



Derating Curves



PART NUMBER SCHEME

LGW- 025Svvv-aaaPSC

L = Led Driver "G" Series

W= Wide Input 100-277Vac

025=Output Power (Watts)

C = Constant Current Output

S = Class II, 2 Wire Input

P = Plastic Case

aaa = Constant Current (mA)

vvv= Max. Output Voltage

S=Single Output

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

