

**FEATURES**

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

**25W Constant Voltage LED Driver**

**LGW-025SV Series**



**SPECIFICATIONS**

Model #	Output Voltage	Current Range	Ripple & Noise (2)	Typical Efficiency @ 240VAC
LGW-025S012-210PSV (4)	12V	0-2100mA	3V	82.0%
LGW-025S018-140PSV (4)	18V	0-1400mA	3V	83.0%
LGW-025S024-105PSV (4)	24V	0-1050mA	3V	84.0%
LGW-025S036-070PSV (4)	36V	0-700mA	3V	85.0%
LGW-025S048-052PSV (5)	48V	0-520mA	3V	84.0%
LGW-025S052-048PSV (5)	52V	0-480mA	4V	83.0%

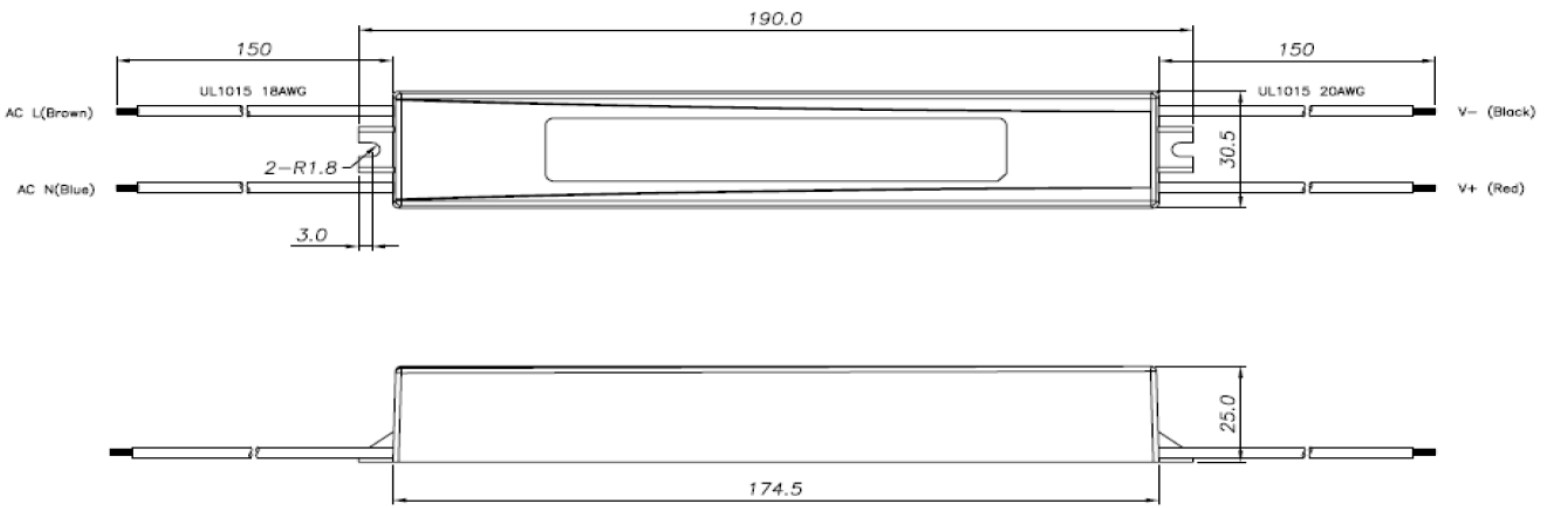
Output	Turn-on Delay Time	2.5sec. / 115VAC	
	Voltage Tolerance (3)	±5%	
Input	Rated Voltage	100~277VAC	
	Frequency Range	47Hz~63Hz	
	PF	0.98 @ 120VAC / 0.9 @ 240VAC	
	Inrush Current	Cold start 20A @ 264VAC	
	AC Current	0.4A @ 120VAC / 0.2A @ 240VAC	
	Leakage	<0.25mA @ 230VAC	
	Protection	Over Load	Voltage will fold back after exceeding rated current
Short Circuit		Hiccup mode, power supply will restart after fault condition is removed with no damage to the power supply.	
Over Temperature		Auto recovery after cooling	
Environment	Temperature Range	Operational	-20°C~50°C
		Storage	-40°C~+80°C
	Humidity Range	Operational	20%~100%RH
		Storage	10%~100%RH
Safety & EMC	Safety Standards	UL8750, UL1310, EN61347-1EN61347-2-13 IP65	
	EMI Conduction & Radiation	Complies to EN55015, FCC part 15	
	EMS Immunity	EN61000-4-2,3,4,5,6,11 EN61547	
Others	MTBF	200,000 hours MIL-HDBK-21F (25°C)	
	Dimensions	(L*W*H) 174*30.5*25 mm	
	Weight	220g	



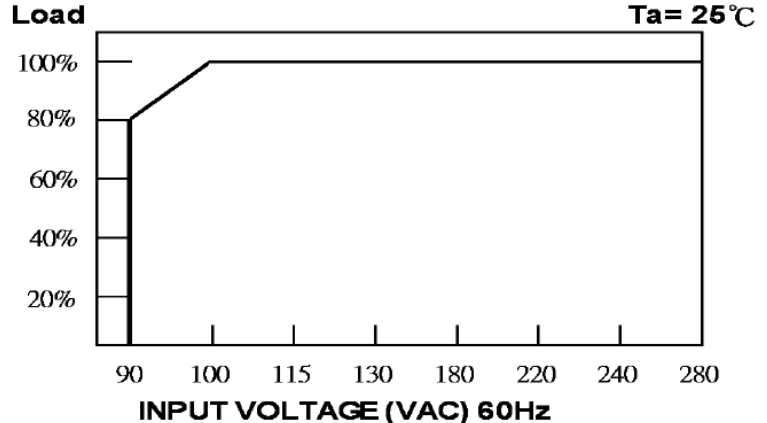
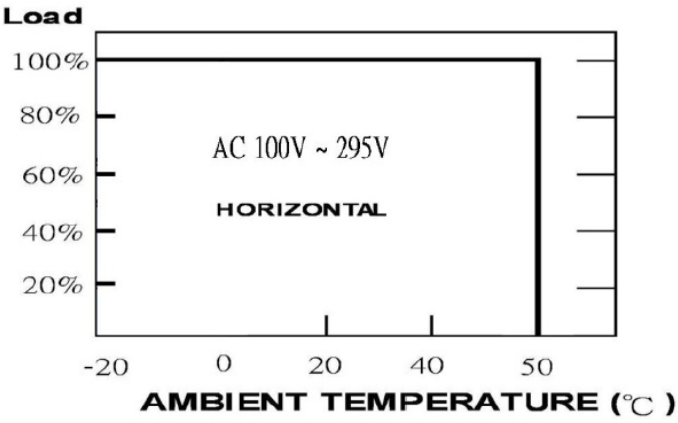
**Notes**

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. Voltage tolerance: includes line regulation, load regulation and set-up tolerance.
4. Class 2 US and Canada
5. Class 2 US only

**Mechanical Specifications**



**Derating Curves**



### PART NUMBER SCHEME

LGW- 025Svvv-aaaPSV

- L = Led Driver "G" Series
- W= Wide Input 100-277Vac
- 025=Output Power (Watts)
- S=Single Output

- V = Constant Voltage
- S = Class II, 2 Wire Input
- P = Plastic Case
- aaa = Max Current (mA)
- vvv = Constant Voltage

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



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