

A150L24M625-1

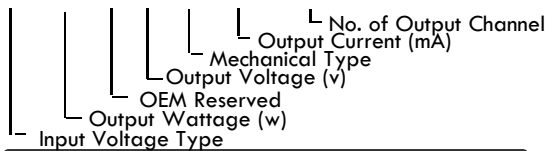
Features

- Wide range **90 ~ 264VAC (normal)** input voltages with **Constant Current** output, suitable for remote locations.
- Fully encapsulated with **IP66** level compliant, suitable for damp or wet locations.
- Reliability **Protections**: short circuit/over current
- **High Efficiency**, low heat generated. Cooling by convection air.
- 100% full load QC burn-in test
- High reliability/ **low cost**
- One-year warranty



Order Information

X XXX X XX X XXX - X



Specifications

Application – Street/Architecture LED Lighting



MODEL No.	A150L24M625-1	
OUTPUT	DC VOLTAGE Rated/Range	24 / 22.8 ~ 25.2V
	RATED CURRENT/Output Channel	6250mA/1
	CURRENT RANGE/Channel	0 ~ 6,250mA
	RATED POWER	150W
	Turn-On Delay Time	2.0s max. @ 90 ~ 264 Vac input & full load
	Hold-Up Time	10ms min. @ 115Vac/60Hz, Full-load after power-off, 20ms min. @ 230Vac/50Hz, Full-load after power-off
	RISE Time	20ms max. @ full load
	Fall Time	20ms max. @ full load
INPUT	Output Overshoot / Undershoot	10% max. when the power turn on or off
	Output Load Transient Response	Output Voltage within 28 ~ 42V for load step from 20% ~ 80%, R/S: 0.5A/uS, Frequency: 100Hz duration and 5 ms at 75%
	VOLTAGE RANGE	90 ~ 264Vac (Max.), 100 ~ 240Vac (Normal)
	FREQUENCY RANGE	47 ~ 63Hz, 60Hz/50Hz (Normal)
	AC CURRENT	2.0A max. @ 100 ~ 240Vac input & full load
	INRUSH CURRENT(cold star)	60A max. @ 264Vac
	POWER FACTOR	0.95 min. @ Normal input & full load
	Efficiency (Normal)	89% min. @ (type 88.0% at input 115Vac) & full load / 90.0% min. @ (type 90.0% at input 230 Vac) & full load
PROTECTION	OVER CURRENT	The output should latch-off when the over currents applied to the output rail, and shall be restar to power-on by reset the power switch.
	SHORT CIRCUIT	The input power shall latch-off when the output rail short, the power supply shall no damage, and shall be power-on by resetting the power after fault condition is removed.
	OVER VOLTAGE	when the output volatag over certain voltage level, the power supply shall be latch-off. To restar power-on by resetting the power switch to ON after the fault condition is removed
ENVIRONMENT	Operating Temperature/Humidity	-40 ~ 65°C / 20 ~ 90% RH non-condensing
	Storage Temperature / Humidity	-20 ~ 85°C / 20 ~ 90% RH non-condensing at sea level shall below 2,000M
	VIBRATION	Meets MIL-STD-810D, method 514 and procedure X
SAFETY STANDARD	Regulatory Standards	(UL/dUL, UL1012); (CE, EN61347-2-13:2006, EN61347-2-13:2001); (IEC, IEC61347-2-13) compliant
	Dielectric Strength(Hi-Pot)	Primary to Secondary: 1,500Vac/10A max./60 seconds (3 second at production test) Primary to Earth: 1,500Vac/10A max./60 seconds (3 second at production test)
	Ground Resistance	< 0.1 Ohms, 25A, 1 minute
	Leakage Current	0.75mA max. @ 264Vac, 50Hz
	Insulation Resistance	50MΩ min. @ primary to secondary add 500Vdc test voltage
EMI/EMS STANDARDS	EMI	IEC55015_Class B, FCC PART-15
	EMS	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
RELIABILITY	MTBF	50,000 Hours @ 25°C min., full load and normal input condition
	BURN-IN	The power supply shall under go a minimum of 4 hours burn-in test at 40°C ±5°C under full load condition
NOTE	1. All parameters NOT specially mentioned are measured at 115VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20 MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf ceramic capacitor & 10uf parallel electrolysis capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that is still meets EMC directive.	

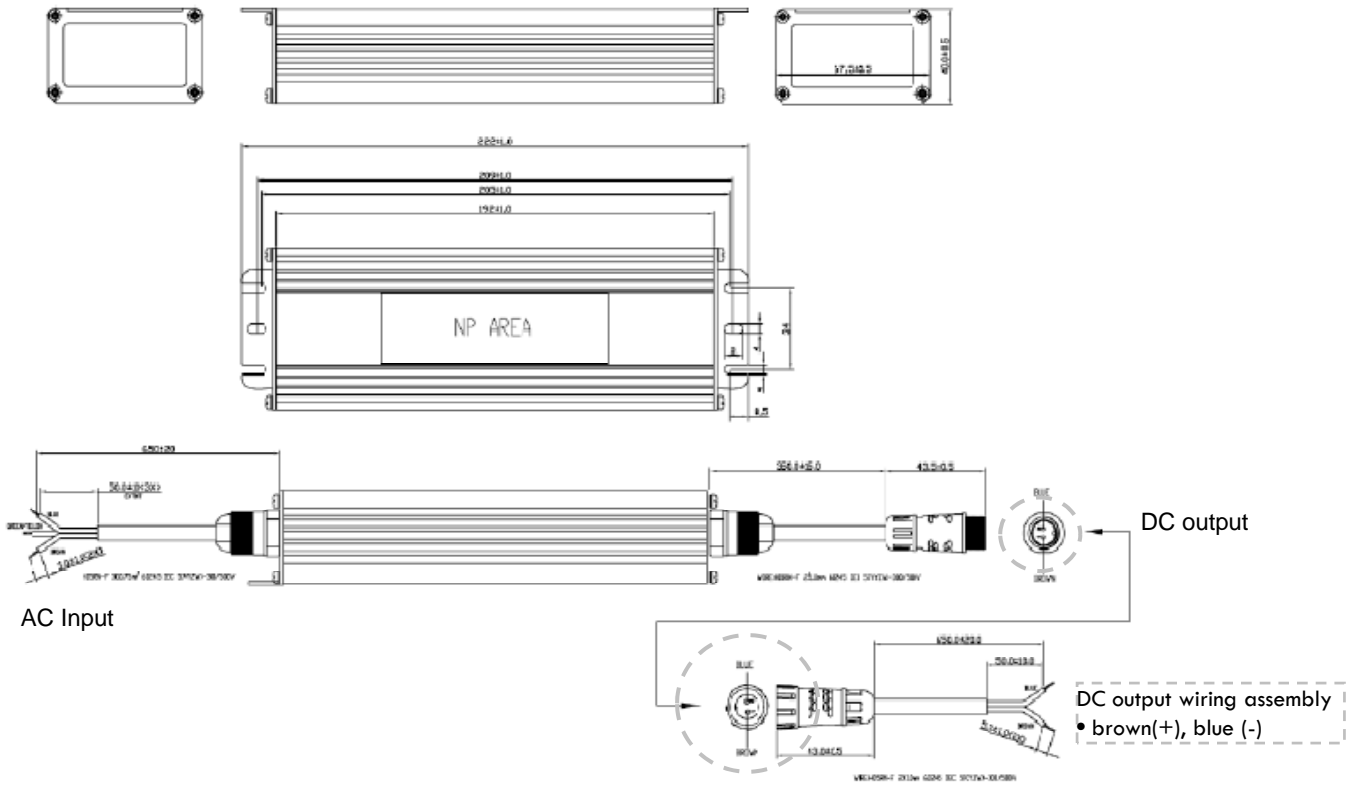
LED Lighting Driver - ALM

Mechanical Drawing

Unit: mm

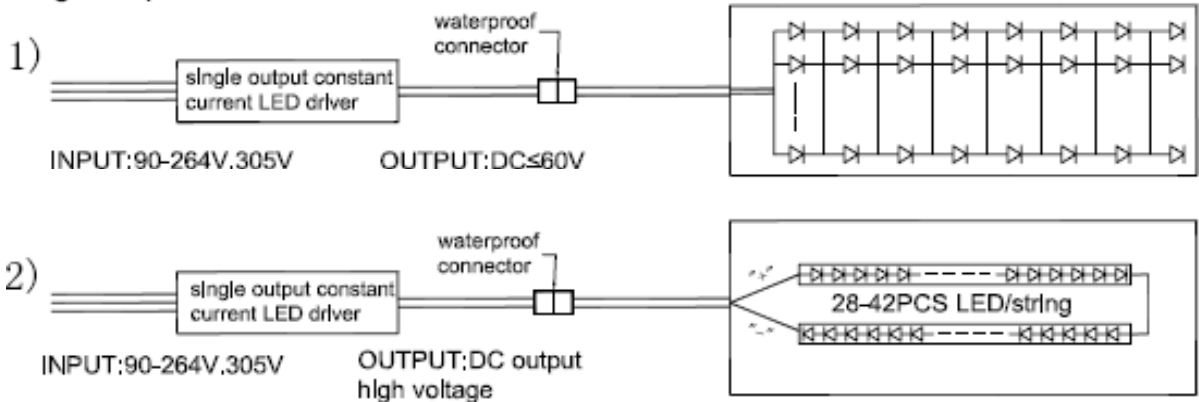
Dimension:

• 192.0 (L) x 67.5 (W) x 40.0 (H) mm



Application Reference

single output constant current LED driver :



Notes

- Specification subject to change without notice.
- All company logo and legal name belong to original company. All copyright reserved by Enhance Electronics.
- One-Year Standard Warranty
- Last Update: 11/11/2009