

FEATURES

26W Constant Voltage LED Driver

LEDWV-026 Series

- High Efficiency (Up to 86%)
- IP66
- Short Circuit, Over Voltage and Overload Protections
- UL/cUL 8750, EN61347, PSE, CQC & CE Certified
- RoHS Compliant



SPECIFICATIONS

Model #	Rated Voltage (9)	Current Range	Ripple & Noise	Efficiency (3)
LEDWV-026S024PS (1)	24V	0-1080mA	3V	84%
LEDWV-026S036PS (1)	36V	0-720mA	4V	85%
LEDWV-026S048PS (2)	48V	0-540mA	4V	86%

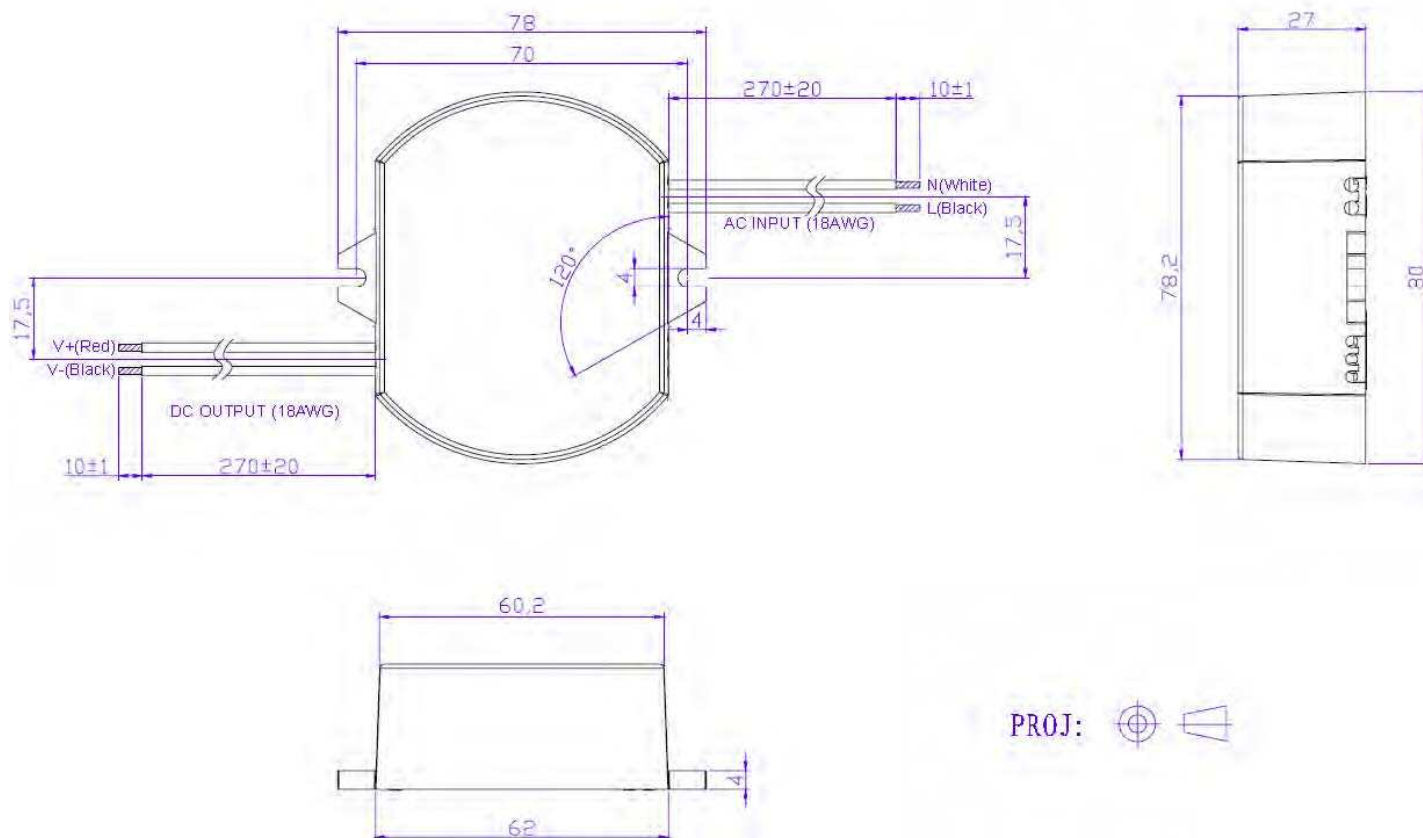
Output	Rated Power	26W	
	Line Regulation	2%	
	Load Regulation	3%	
	Overshoot/Undershoot	10%	
	Turn On Delay Time	0.6s @ 110V AC / 0.3s @ 220V AC	
Input	Voltage Range	90~305V AC	
	Frequency	47Hz~63Hz	
	Inrush Current	60A @ 230V AC Input 25°C Cold start. Duration=100μs	
	AC Current (Typ.)	0.4A / 100 V AC 0.2A / 220V AC	
Protections	Short Circuit	Hiccup mode, no damage shall occur and the power supply shall restart when the fault condition is removed	
	Over Voltage	Hiccup mode, at 120% (Typ.) rated voltage (110% Min.130%Max) the power supply shall restart when the fault condition is removed	
	Overload	Hiccup mode, at 140% (Typ.) rated load (110% Min./170% Max.) the power supply shall restart when the fault condition is removed	
Environment	Temperature Range	Operational	-35°C ~ 70°C (See derating Curve)
		Storage	-40°C ~ +85°C
	Humidity	Operational	10% ~ 100% RH
		Storage	5% ~ 100% RH
Safety & EMC	Safety Standards	UL8750, UL935, UL1012, UL1310 Class 2, CSA-C22.2 No. 107.1, CSA C22.2 No. 223-M91 Class 2, EN61347-1, EN61347-2-13 (CE), PSE, CQC and FCC Class B	
	No Load Power Dissipation	5W	
	Conducted & Radiated EMI	En 55015 Class B	
	Harmonic Current	EN 61000-3-2	
	EMS	EN 61000-3-3, EN61000-4-2 (4), EN61000-4-3 (5), EN 61000-4-4 (6), EN61000-4-5 (7), EN 61000-4-6 (8), EN 61000-4-8, EN 61000-4-11, EN 61547 ANSI/IEEE C62.41: Class A Operationa (11) (See notes below)	
Others	MTBF	130,000 hours (Measured at 110V AC Input, 80% Load and 25°C ambient temperature (MIL-HDBK-217F)	
	Life Time	50,000 hours (Measured at 110V AC Input, 80% Load and 60°C case temperature- see curve below)	
	Dimensions	(L*W*H)78*80*27mm 3.07*3.15*1.06	
	Weight	200g	



Notes:

1. Class 2 US and Canada
2. Class 2 US, Class 1 Canada
3. Typical at 220V AC
4. Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
5. Radio-Frequency Electromagnetic Field Susceptibility Test-RS
6. Electrical Fast Transient / Burst-EFT: level 3, criteria A
7. Surge Immunity Test: AC Power Line: line to line 2kV, line to earth 4 kV
8. Conducted Radio Frequency Disturbances Test-CS
9. Output voltage tolerance $\pm 5\%$
10. Max. Measured by 20 MHz bandwidth oscilloscope and the output paralleled a 0.1 μF ceramic capacitor and a 10 μF electrolytic capacitor.
11. Transient Protection, power supply shall comply with Class A operation. The line transient shall consist of seven strikes of a 100 kHz ring wave, 2.5 kV level, for both common mode and differential mode.

Mechanical Specification



PART NUMBER SCHEME

LEDWV-026S036PS

LED= LED Driver
W= Wide Input Voltage 90~305VAC
C = Constant Voltage

S = Class II, 2 Wire Input

P = Plastic Case

036 = Rated Current

S = Single Output

026 = Output Power (Watts)

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

