

FEATURES

Ultra High Efficiency (Up to 91%)
 Active Power Factor Correction
 Waterproof (IP67)
 Lightning Protection
 Wide Operating Temperature Range
 Over Voltage, Over Temperature & Short Circuit Protection
 Comply UL8750 & EN61347 Safety Regulations
 UL 1310 Class 2
 Very High MTBF & Life Time
 RoHS Compliant

60-76W Constant Voltage LED Driver LEDWV-76 series



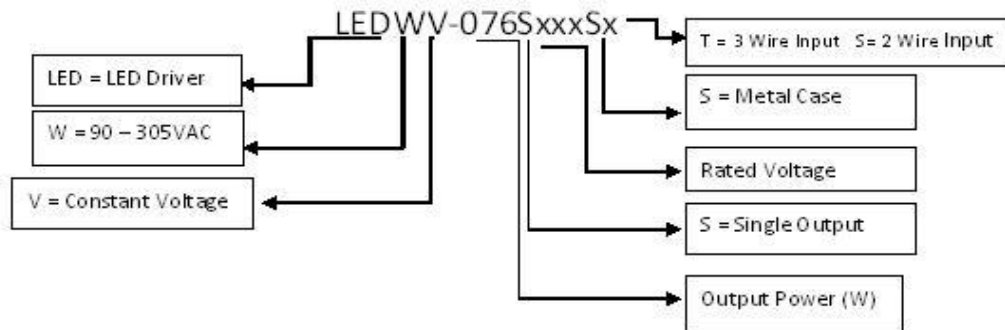
SPECIFICATION

Model		LEDWV-076S012Sx (5)	LEDWV-076S024Sx (5)	LEDWV-076S036Sx (5)	LEDWV-076S042Sx (6)	LEDWV-076S048Sx (6)	LEDWV-076S054Sx (6)
Output	Voltage	12 Vdc	24 Vdc	36 Vdc	42 Vdc	48 Vdc	54 Vdc
	Max. Current	5A	3.17 A	2.11 A	1.81 A	1.58 A	1.41 A
	Rated Power	60 W	76 W	76 W	76 W	76 W	76 W
	Voltage Tolerance	±5%					
	Ripple & Noise (max.) (2)	2.0% Vo					
	Current Range (Min - Max)	0 - 5 A	0 - 3.17 A	0 - 2.11 A	0 - 1.81 A	0 - 1.58 A	0 - 1.41 A
	Line Regulation	1%					
	Load Regulation	2%					
	Setup, Rise Time	0.5S @ 110 VAC or 0.4S @ 220 VAC					
	Output Overshoot / Undershoot	10% When Powering On or Off					
Input	Voltage Range	90 - 305VAC					
	Frequency Range	47Hz - 63Hz					
	Power Factor Correction	0.99 @ 110 VAC and 0.96 at 220 VAC					
	Efficiency (Typ.) (1)	87%	88%	89%	89%	90%	91%
	Inrush Current	50A @ 230VAC Input, 25°C Ambient and Cold Start					
	AC Current (Typ.)	0.90 A @ 100VAC - 0.42A @ 220VAC					
Protections	Short Circuit Protection	Hiccup mode, recovers automatically after fault condition is removed					
	Over Temperature Protection	Latching Mode: 110°C max. temp. of components inside the case, cycle AC power to restart					
	Over Voltage (Typ/Max.)	18/22 V	35/40 V	50/55 V	58/63 V	60/65 V	65/70 V
Environmental	Temperature Range	Operational	-35°C ~ +70°C				
		Storage	- 40°C ~ +85°C				
	Humidity	Operational	10 ~ 100% RH				
		Storage	5 ~100% R.H				
Safety & EMC	Safety Standards	UL8750 Compliance to UL1310 Class2, UL1012, UL953, CAN/CSA-C22.2 No. 0, CSA-C22.2 No. 107.1, CSA-C22.2 No. 250.0					
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC) I/P - FG: 1.5KVAC (2121 DC) O/P-FG: 0.5KVAC (707 DC), 1 minute					
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: 100M Ohms / 500VDC					
	EMI Conducted & Radiated	EN55015 with 6db margin					
	CE	EN 61347-1, EN61347-2-13					
	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, EN 61547					
Others	MTBF (3)	450K HRS Compliance: MIL-HDBK-217F @ 25°C ambient temp.					
	Life Time (4)	65k hours @ 45°C ambient temp.					
	Dimension (L*W*H)	150*67.5*37 (mm) - 5.91*2.66*1.46 (inch)					
	Weight	750 g - 1.65Lbs					



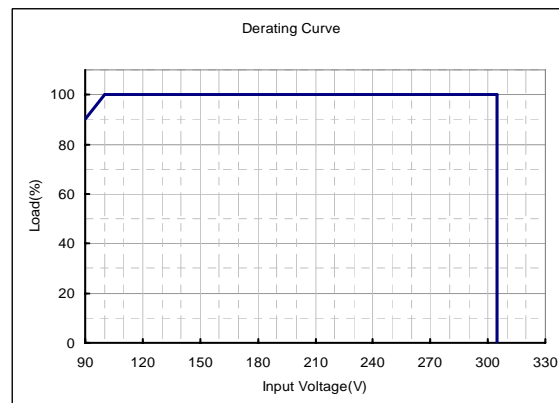
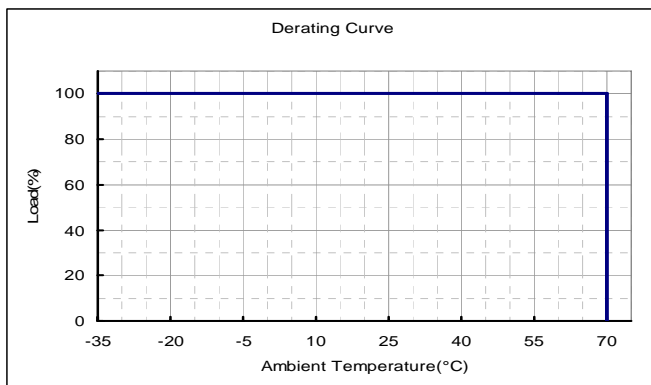
NOTES:

1. Measured at full load, 220VAC input and 25 °C ambient temperature.
2. Measured at 20MHz with an oscilloscope and the output paralleled with a 0.1uf ceramic capacitor & 10uf electrolytic capacitor.
3. Using 36V output model, measured at 110Vac input, 80% load and 25°C ambient temperature (MIL-HDBK-217F)
4. Using 36V output model, measured at 110Vac input, 80% load and 45°C ambient temperature
5. Class 2 output (USR & CNR).
6. Class 2 output (USR)
7. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25 °C ambient temperature.
8. Specifications are subject to change without notice. AUTEK cannot be held liable for errors or omissions or the consequences thereof.



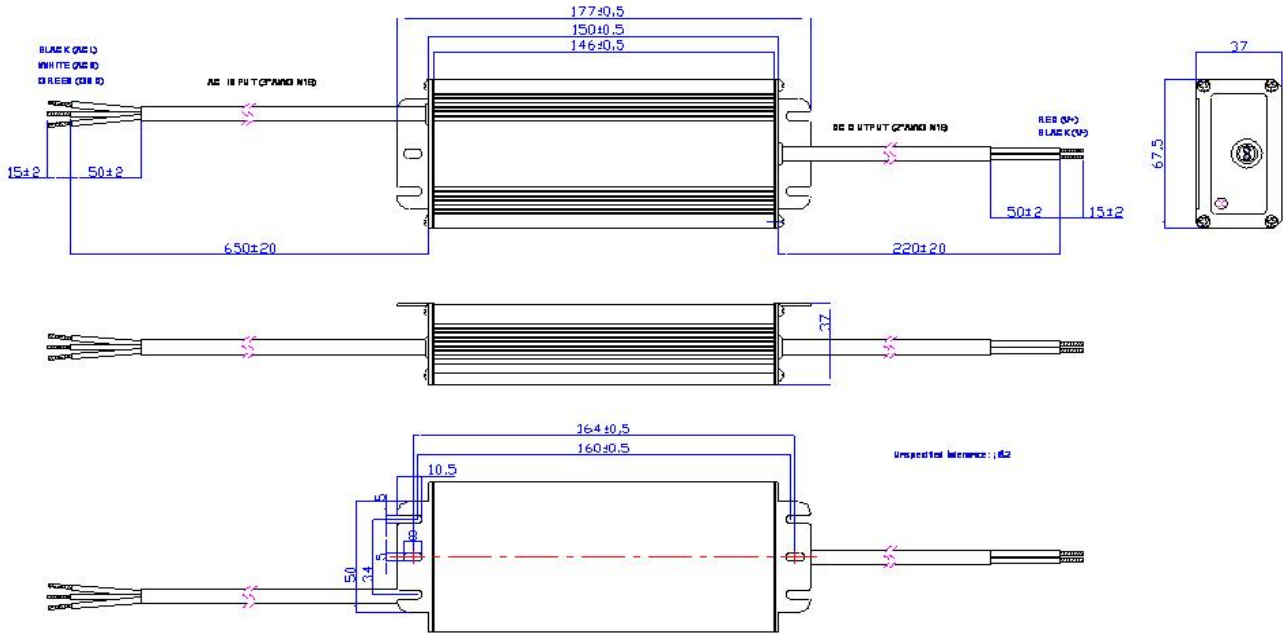
Efficiency / Model (1)	LEDWV-076S012Sx	LEDWV-076S024Sx	LEDWV-076S036Sx	LEDWV-076S042Sx	LEDWV-076S048Sx	LEDWV-076S054Sx
Efficiency @ Full Load and 115VAC (min)	87%	89%	89%	90%	89%	89%
Efficiency @ Full Load and 115VAC (typ)	88%	90%	90%	91%	90%	90%
Efficiency @ Full Load and 230VAC (min)	89%	91%	91%	92%	91%	91%
Efficiency @ Full Load and 230VAC (typ)	90%	92%	92%	93%	92%	92%

Derating Curves



Mechanical Specifications

LEDWV-076SxxxST



LEDWV-076SxxxSS

