

FEATURES

- Ultra High Efficiency (Up to 94%)
- High Power Factor Correction (0.99 Typ)
- 150 W Continuous Output Power
- Lightning Protection
- Over Voltage, Over Temp., Short Circuit & Over current Protection
- Waterproof (IP67)
- Comply UL8750 & EN61347 Safety Regulations
- Very High MTBF & Life Time

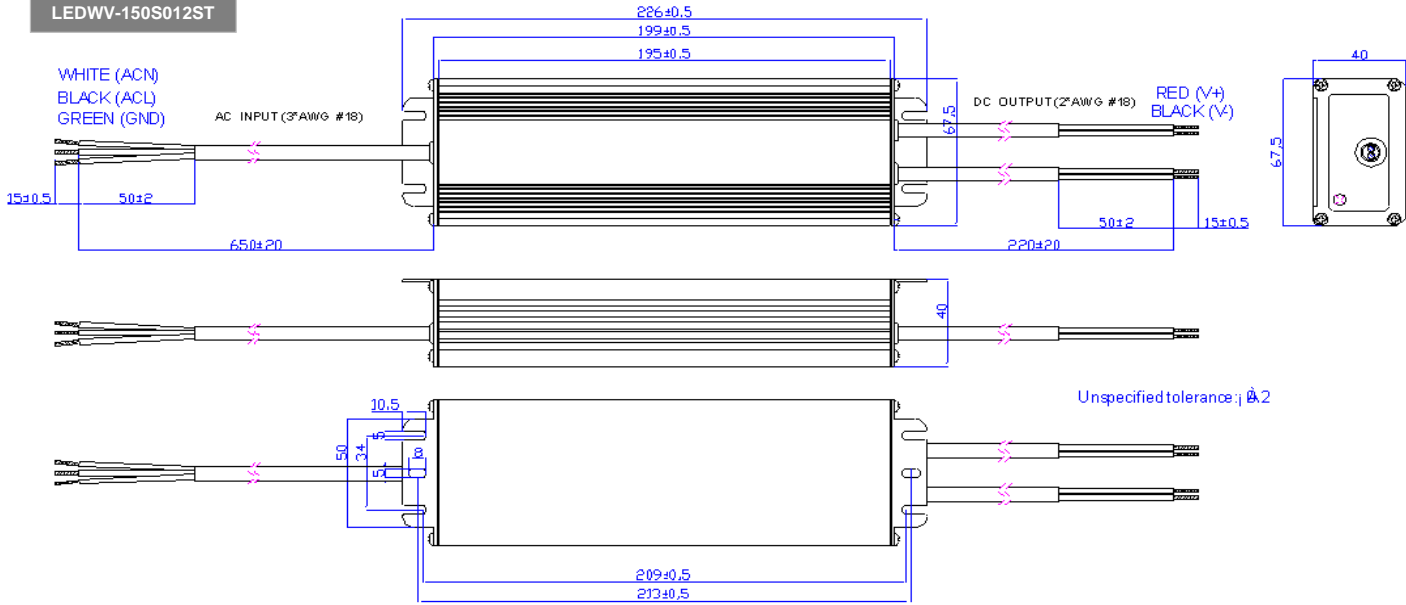


SPECIFICATION

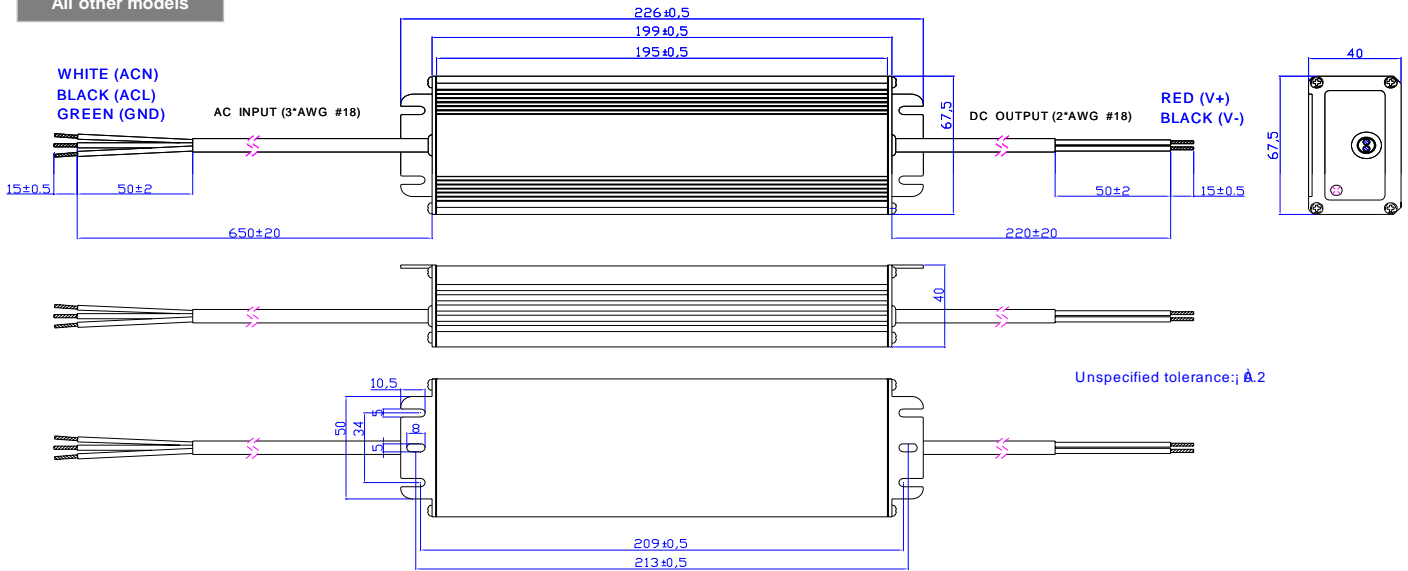
Model		LEDWV-150S012ST	LEDWV-150S024ST	LEDWV-150S036ST	LEDWV-150S040ST	LEDWV-150S042ST	LEDWV-150S048ST	LEDWV-150S050ST	LEDWV-1150S052ST	LEDWV-150S054ST	LEDWV-150S056ST	LEDWV-150S081ST	LEDWV-150S105ST
Output	Voltage	12 Vdc	24 Vdc	36 Vdc	40 Vdc	42 Vdc	48 Vdc	50 Vdc	52 Vdc	54 Vdc	56 Vdc	81 Vdc	105 Vdc
	Max. Current	12.5 A	6.25 A	4.17 A	3.75 A	3.57 A	3.13 A	3.00 A	2.88 A	2.78 A	2.68 A	1.85 A	1.42 A
	Rated Power	150 W	150 W	150 W	150 W	150 W	150 W	150 W	150 W	150 W	150 W	150 W	150 W
	Voltage Tolerance	±5%											
	Ripple & Noise (max.) (2)	2.0 % Vo											
	Current Range (Min - Max)	0 - 12.5 A	0 - 6.25 A	0 - 4.17 A	0 - 3.75 A	0 - 3.57 A	0 - 3.13 A	0 - 3.00 A	0 - 2.88 A	0 - 2.78 A	0 - 2.68 A	0 - 1.85 A	0 - 1.42 A
	Line Regulation	1%											
	Load Regulation	2%											
	Setup, Rise Time	0.6S @ 110 VAC or 0.3S @ 220 VAC											
Output Overshoot / Undershoot	10% When Power On or Off												
Input	Voltage Range	W (Wide Range Input) = 90V ~305VAC											
	Frequency Range	47Hz / 63Hz											
	Power Factor Correction	0.99 @ 110 VAC and 0.96 at 220 VAC											
	Efficiency (Typ.) at 230Vac	92%	93%	93%	93%	94%	93%	93%	93%	93%	93%	94%	94%
	Inrush Current	65A @ 230VAC Input and 25°C											
	AC Current (Typ.)	1.75 A / 100VAC						0.8 A / 220VAC					
Protections	Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed											
	Over Temperature Protection	110°C max. temp. of components inside the case											
	Over Current Protection	135% Io (Typ.) Protection type : Hiccup mode, recovers automatically after fault condition is removed											
	Over Voltage (Typ.)	15 V	30 V	43 V	50 V	51 V	58 V	60 V	62 V	65 V	70 V	95 V	128 V
Environmental	Temperature Range	Operational	-35°C ~ +70°C										
		Storage	- 40 ~ +85°C										
	Humidity	Operational	10 ~ 100% RH										
		Storage	5 ~100% R.H										
Safety & EMC	Safety Standards	UL8750 compliance to UL1012 UL935, CAN/CSA-C22.2 (No. 0, No 107.1, No. 250.0)											
	No load Power Dissipation	≤2W											
	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											
	EMI Conduction & Radiation	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)	584K HRS Compliance: MIL-HDBK-217F @ 25°C ambient temp.											
	Life Time (3)	74,000 hours @ 45°C ambient temp.											
	Dimension (L*W*H)	199*67.5*40 (mm) - 7.83*2.66*1.57 (inch)											
	Weight	1000 g - 2.20Lbs											

Mechanical Specification

LEDWV-150S012ST



All other models



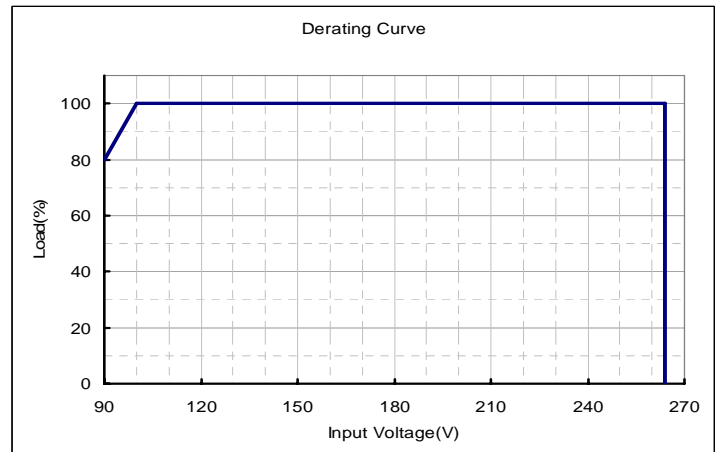
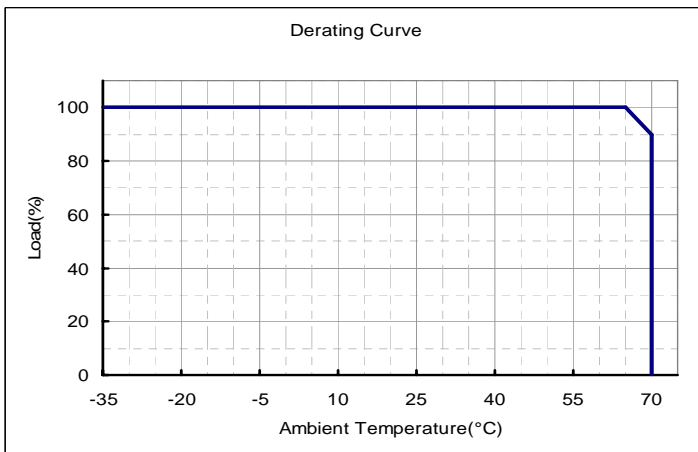
PIN ASSIGNMENT			SHIPPING SPECIFICATIONS			
CONNECTION	AC	DC	Series	UNITS PER CARTON	CARTON WEIGHT	
	Input	Output			26Kg	57.20Lbs
PIN 1	LINE (Black)	+V (Red)	LEDU(W)V-150	20.0	7.68	2.68
PIN 2	NEUTRAL (White)	-V (Black)				
PIN 3	GROUND (Green)		INDIVIDUAL BOX DIEMENSION		1.57	
Connector	Flying lead (stripped and tinned)		Series	inch	68.0	40.0
			LEDU(W)V-150	mm	195.0	68.0



Efficiency

Model	LEDU(W)V-150S012ST	LEDU(W)V-150S024ST	LEDU(W)V-150S036ST	LEDU(W)V-150S040ST	LEDU(W)V-150S042ST	LEDU(W)V-150S048ST	LEDU(W)V-150S050ST	LEDU(W)V-1150S052ST	LEDU(W)V-150S054ST	LEDU(W)V-150S056ST	LEDU(W)V-150S081ST	LEDU(W)V-150S105ST
Efficiency @ Full Load and 115VAC (min)	88%	89%	89%	89%	90%	89%	89%	89%	89%	89%	90%	90%
Efficiency @ Full Load and 115VAC (typ)	89%	90%	90%	90%	91%	90%	90%	90%	90%	90%	91%	91%
Efficiency @ Full Load and 230VAC (min)	91%	92%	92%	92%	93%	92%	92%	92%	92%	92%	93%	93%
Efficiency @ Full Load and 230VAC (typ)	92%	93%	93%	93%	94%	93%	93%	93%	93%	93%	94%	94%

Derating Curve



NOTES:

1. Measured at full load, 220VAC input and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth oscilloscope and the output paralleled a 0.1uf ceramic capacitor & 10 uf electrolytic capacitor.
3. For 54V output model, measured at 110VAC input, 80%load and 25°C of ambient temperature.
4. For 54V output model, measured at 220VAC input, 80%load and 45°C of ambient temperature.
5. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C of ambient temperature.
6. Specifications are subject to change without notice. AUTECH cannot be held liable for errors or omissions or the consequences thereof.
7. A suffix -XXXX may be added to denote variation or modifications to the base product, where X can be any alphanumeric character or blank