

LXV300 SERIES

Constant Voltage LED Power Supplies: 300 Watts



Features

- **Constant Voltage** LED power supplies
- Universal input voltage 90 ~ 305Vac
- Active Power Factor Correction typically 0.97
- Output voltage options 12 ~ 150vdc
- IP67 waterproof enclosure
- Overvoltage protection and Short Circuit protection
- Over temperature protection
- -35°C to +70°C operation
- EN55015 Conducted and Radiated Level B
- Safety: EN61347-1 and UL8750, CE

Specifications

Input Voltage	90 ~ 305VAC
Input Current	3.3A @ 110Vac input
Frequency	47 ~ 63Hz
Output Power	300 watts
Power Factor	0.99 at 240vac
Output Voltage	See table, accuracy typically 5%
Efficiency	Model dependant 92 ~ 94%
Voltage Range	Fixed
Minimum Load	Zero
Regulation-Line	±1%
Regulation-Load	±2%
Dynamic Response	Voltage deviation 5% for 25~75% load step, recovery within 10ms
Ripple & Noise	2% pk-pk, 20MHz Bandwidth With 0.1uF and 10uF capacitor connected on output
Overshoot	10%
Turn-on Delay	3sec, measured at 230vac 100% load
Isolation	Input ~ output: 3000VAC Input ~ Chassis: 1500VAC Output ~ Chassis: 500VDC <ul style="list-style-type: none">• Input-Output isolation test not be carried out on these power supplies.
Insulation	Class I
Protection	OVP Latching Short circuit protection with auto recovery Over temperature protection
Safety	EN61347-1 and UL8750 pending
No Load Power	No load power dissipation 3W
EMC	EN55015 Conducted Lev B EN55015 Radiated Lev B
Immunity	EN61000-4-5 (4KV L-E)
Operating Temp.	-35°C to +60°C at 100% load, 70°C @ 80% load
Humidity	10 ~ 100% RH
IP Rating	IP67 waterproof
MTBF	Calculated: per Telecordia SR-33 @ 25°C: 2m hrs, Lifetime: 200,000hrs
Connections	Input & output cable, 650 / 220mm
Dimensions	250 x 88 x 45mm 1.6Kg

Description

The **LXV300** series of “**Constant Voltage**” power supplies, deliver up to 300 watts in a very compact package.

There’s a large selection of models with output voltage up to 150V and output current options up to 23A, for specific LED configurations.

With industry leading efficiencies of up to 94% and IP67 protection, they provide high reliability and performance.

Suitable for a wide range of LED Driver applications.
Contact office for LED configuration application notes.

Model	Output V	Output A	Power W
LXV300-012SW	12V	23.3A	300W
LXV300-024SW	24V	12.5A	
LXV300-036SW	36V	8.33A	
LXV300-042SW	42V	7.14A	
LXV300-048SW	48V	6.25A	
LXV300-052SW	52V	5.76A	
LXV300-054SW	54V	5.55A	
LXV300-056SW	56V	5.35A	
LXV300-060SW	60V	5.00A	
LXV300-084SW	84V	3.57A	
LXV300-105SW	105V	2.85A	
LXV300-150SW	150V	2.00A	

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INPUT / OUTPUT WIRING

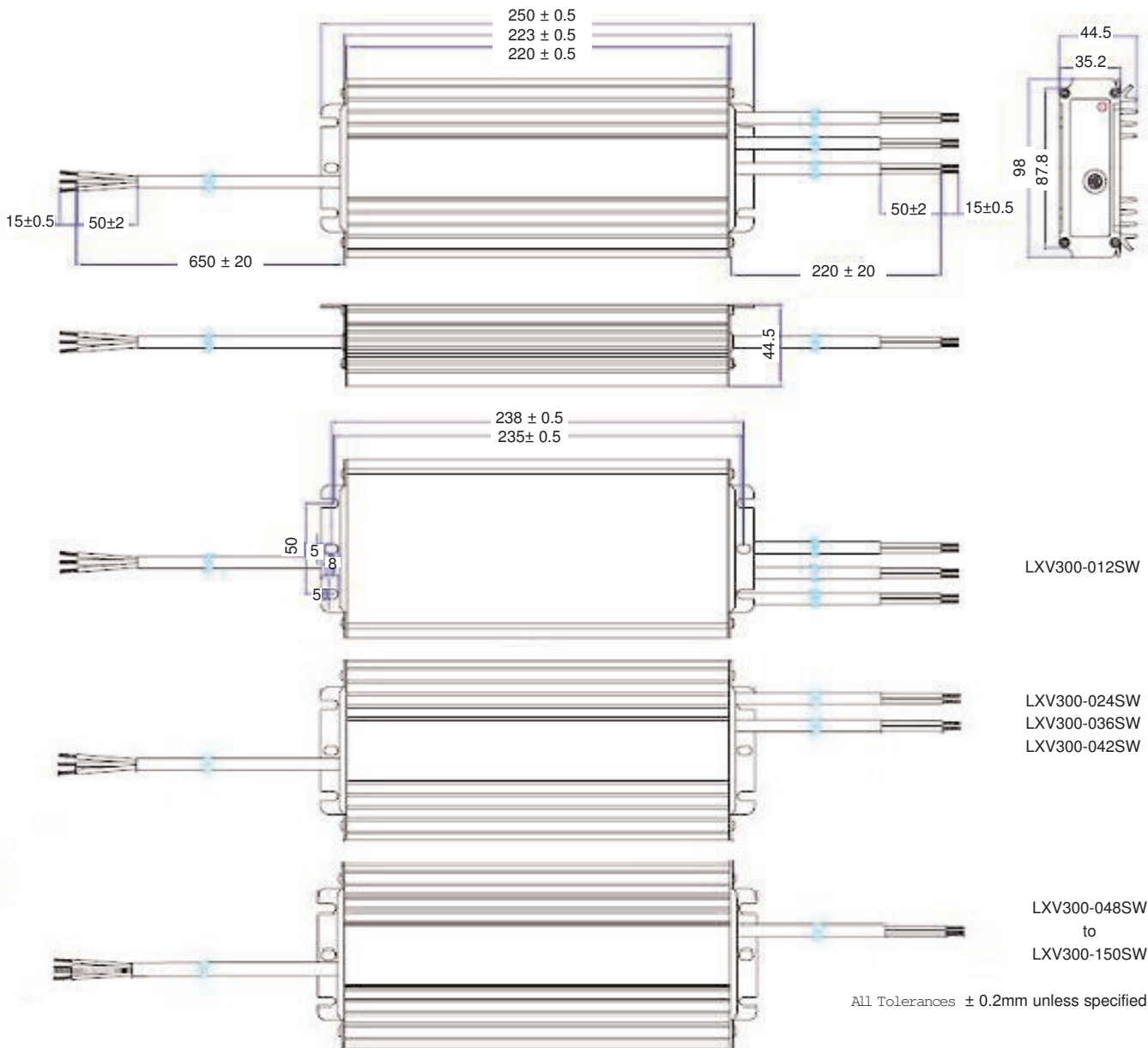
INPUT CABLE

SJTW 18AWG 2C
Black (L) and White(N), Green (Earth) 650±20mm

OUTPUT CABLE

SJTW 18AWG 2C
Black (-V) and Red (+V) 220±20mm

MECHANICAL SPECIFICATIONS



Specifications are subject to change without notice