

LXV150 SERIES

Constant Voltage LED Power Supplies: 150 Watts



Features

- **Constant Voltage** LED power supplies
 - Universal input voltage 90 ~ 264Vac
 - Active Power Factor Correction typically 0.97
 - Output voltage options 12 ~ 105vdc
 - 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
- Safety approval no: NSW24814



Specifications

Input Voltage	90 ~ 264VAC <ul style="list-style-type: none">• Optional 90-305VAC, add "W" to model
Input Current	1.75A @ 110Vac input
Frequency	47 ~ 63Hz
Output Power	150 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 Protection	Class I OVP Latching Short circuit protection with auto recovery Over temperature protection
Safety	EN61347-1 and UL8750 pending
No Load Power	No load power dissipation 2W
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: 100,000hrs
Connections	Input & output cable, 650 / 220mm
Dimensions	LXV150: 226 x 68 x 40mm 1.0Kg

Description

The **LXV150** series "**Constant Voltage**" power supplies, deliver 150 watts in a very compact package and are part of a family of units offering 75-300 watts. There's a large selection of models with output voltage up to 105V and output current options up to 12.5A, 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
LXV150-012S	12V	12.50A	150W
LXV150-024S	24V	6.25A	
LXV150-036S	36V	4.17A	
LXV150-040S	40V	3.75A	
LXV150-042S	42V	3.57A	
LXV150-048S	48V	3.13A	
LXV150-050S	50V	3.00A	
LXV150-052S	52V	2.88A	
LXV150-054S	54V	2.78A	
LXV150-056S	56V	2.68A	
LXV150-081S	81V	1.85A	
LXV150-105S	105V	1.42A	

- Optional 90-305VAC, add "W" to model

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INPUT / OUTPUT WIRING

INPUT CABLE

SJTW 18AWG 3C
Black (L) and White(N), Green(E) 650±20mm

OUTPUT CABLE

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

MECHANICAL SPECIFICATIONS

