

LXV200 SERIES

Constant Voltage LED Power Supplies: 200 Watts



Specifications

Input Voltage	90 ~ 264VAC <ul style="list-style-type: none">Optional 90-305VAC, add "W" to model
Input Current	2.3A @ 110vac input
Frequency	47 ~ 63Hz
Output Power	200 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 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	LXV200: 226 x 68 x 40mm 1.0Kg

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

Description

The **LXV200** series "**Constant Voltage**" power supplies, deliver up to 200 watts is 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 16A, 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
LXV200-012S	12V	16.67A	200W
LXV200-024S	24V	8.33A	
LXV200-036S	36V	5.56A	
LXV200-042S	42V	4.76A	
LXV200-048S	48V	4.17A	
LXV200-050S	50V	4.00A	
LXV200-052S	52V	3.84A	
LXV200-054S	54V	3.70A	
LXV200-081S	81V	2.47A	
LXV200-105S	105V	1.90A	

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

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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

