

LXV150 ~ 200 SERIES

IP67 AC/DC Power Supplies: 150 ~ 200 Watts



Features

- **IP67 Constant Voltage** power supplies
 - Universal input voltage 90 ~ 264Vac
 - Active Power Factor Correction typically 0.97
 - Output voltage options 12 ~ 54vdc
 - 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
	• Optional 90-305VAC, add "W" to model
Frequency	47 ~ 63Hz
Output Power	150 ~ 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
Overshoot	10%
Turn-on Delay	3sec, measured at 230vac 100% load
Isolation	Input ~ output: 3000VAC Input ~ Chassis: 1500VAC Output ~ Chassis: 500VDC
	• 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
No Load Power	No load power dissipation 1W
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 LXV200: 226 x 68 x 40mm 1.0Kg

Description

The **LXV150** and **LXV200** series of "Constant Voltage" IP67 power supplies, deliver up to 150 watts is a very compact package. Optional high voltage input of 305vac provides a high level of reliability in industrial applications, where supply voltage is unstable.

The IP67 enclosure is perfect for a wide range of applications:

- Mining applications
- Outdoor LED applications
- Mobile applications (with high level of immunity to vibration)
- Marine
- Communications

In addition , their high efficiency provides the most cost effective solution when electricity cost is taken into account over long periods

Model	Output V	Output A	Power W
LXV150-012S	12V	12.50A	150W
LXV150-024S	24V	6.25A	
LXV150-036S	36V	4.17A	
LXV150-048S	48V	3.13A	
LXV150-050S	50V	3.00A	
LXV150-054S	54V	2.78A	
LXV200-012S	12V	14.6A	200W
LXV200-024S	24V	8.33A	
LXV200-036S	36V	5.56A	
LXV200-048S	48V	4.17A	
LXV200-050S	50V	4.00A	
LXV200-054S	54V	3.70A	

LXV200 SERIES

Constant Voltage LED Power Supplies: 200 Watts

INPUT / OUTPUT WIRING

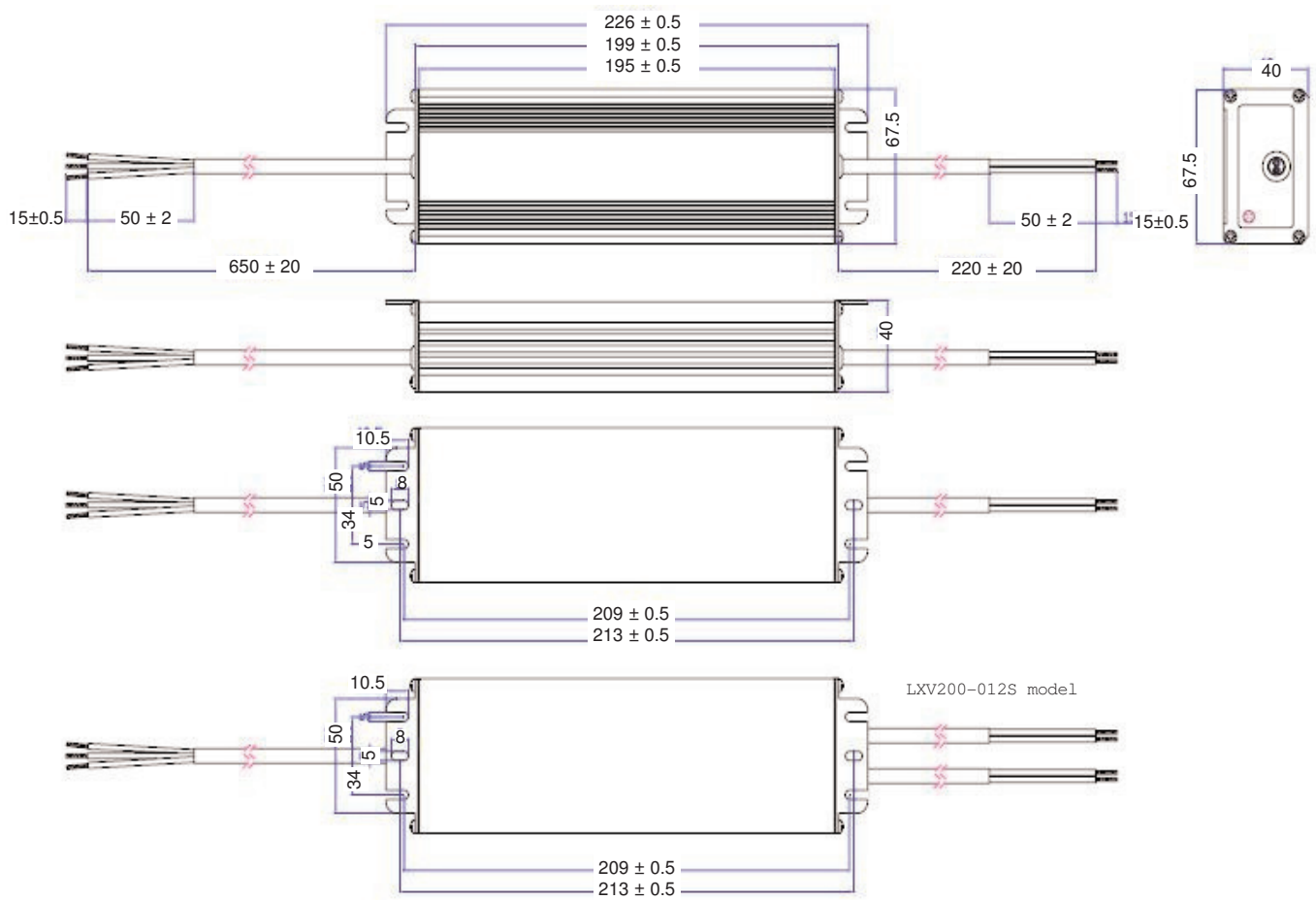
INPUT CABLE

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



All Tolerances ± 0.2mm unless specified

Specifications are subject to change without notice