

# LDV12 /18 SERIES

Constant Voltage LED Power Supply: 12 /18 Watts



## Features

- **Constant Voltage** LED power supply
- Universal input voltage 90 ~ 277Vac
- Output voltage options, 12V, 15V, 24V
- IP66 weatherproof enclosure
- Overvoltage protection
- Short Circuit protection
- -10°C to +60°C operation
- EN55015 Conducted Level B
- EN55015 Radiated Level B
- EN61347 Compliant

RELEASE DATE LDC12 Oct 09, LDV18 April 10.

## General Specifications

<b>Input Voltage</b>	90 ~ 277VAC
<b>Frequency</b>	47 ~ 63Hz
<b>Output Power</b>	12 / 18 watts
<b>Output Voltage</b>	12V, 15V and 24Vdc
<b>Efficiency</b>	80%
<b>Voltage Range</b>	Fixed ( 5% accuracy )
<b>Minimum Load</b>	Refer to table
<b>Regulation-Line</b>	±2%
<b>Regulation-Load</b>	±5%
<b>Ripple &amp; Noise</b>	Typically 3% pk-pk ( 20MHz bandwidth )
<b>Turn-on Delay</b>	200ms, measured at 230vac 100% load
<b>Isolation</b>	Input ~ output: 3000VAC Input ~ Chassis: 1500VAC Output ~ Chassis: 500VDC <ul style="list-style-type: none"><li>• Input-Output isolation test not be carried out on these power supplies.</li></ul>
<b>Leakage Current</b>	< 0.25mA
<b>Insulation</b>	Class II
<b>Protection</b>	OVP Latching Overload / short circuit protection
<b>Safety</b>	EN61347-1, UL1310
<b>No Load Power</b>	N/A
<b>EMC</b>	EN55015, EM55022 Conducted Lev B EN55015, EM55022 Radiated Lev B
<b>Immunity</b>	EN61000-4- ( 4KV L-E )
<b>Operating Temp.</b>	-10°C to +60°C at 100% load
<b>Humidity</b>	15 ~ 90% RH
<b>IP Rating</b>	IP66
<b>Connections</b>	Input & output cable, 110 ~ 200mm
<b>Dimensions</b>	LDV12: 92 x 35 x 21mm 110g LDV18: 94 x 42 x 25mm 110g

## Description

The **LDV12 & LDV18** series of “**Constant Voltage** power supply, delivering 12 and 18 watts is a very compact package.

With efficiencies of up to 80% and IP66 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		Power W
		A max	A min	
<b>LDV12-12-1R0</b>	12V	1.0A	0.1A	12W
<b>LDV12-15-R80</b>	15V	0.8A	0.08A	12W
<b>LDV12-24-R50</b>	24V	0.5A	0.05A	12W
<b>LDV18-12-1R5</b>	12V	1.5A	0.00A	18W