

# SCV30-VF1 SERIES

Slimline LED Power Supplies: 30 Watts



## Features

- Slimline package: 251 x 30 x 16mm
- **Constant Voltage** LED power supplies
- 12V and 24Vdc output models
- Output power 30 watts
- High Efficiency up to 85%
- Power Factor Correction typically 0..90
- IP20 enclosure for indoor use
- Output short circuit protection
- Over temperature protection
- Safety: EN61347-1 & -2
- EMC C-Tick

## Specifications

<b>Input Voltage</b>	240VAC ( 180 ~ 264 )
<b>Input Current</b>	0.3A
<b>Frequency</b>	50Hz
<b>Output Power</b>	30 watts
<b>Harmonics</b>	IEC61000-3-2
<b>Power Factor</b>	0.9 at rated power
<b>Efficiency</b>	Typically 85%
<b>Input No Load Power</b>	< 0.3W
<b>Output Voltage</b>	Fixed $\pm 5\%$ accuracy
<b>Regulation</b>	< $\pm 5\%$
<b>Ripple &amp; Noise</b>	12V models: 240mV pk-pk, 20MHz Bandwidth 24V models: 480mV pk-pk, 20MHz Bandwidth
<b>Open Circuit Voltage</b>	12V models: < 13V, 24V models: < 25V
<b>Turn-on Delay</b>	Typically < 2sec.
<b>Isolation</b>	Input ~ output: 3000VAC <ul style="list-style-type: none"><li>• Input-Output isolation test not be carried out on these power supplies.</li></ul>
<b>Insulation</b>	Class II
<b>Protection</b>	Short circuit protection Over temperature protection
<b>Safety</b>	IEC61347-1 ,IEC61347-2-13
<b>EMI</b>	IEC/EN55015 Conducted Lev B IEC/EN55015 Radiated Lev B
<b>Immunity</b>	IEC61547
<b>Operating Temp.</b>	-20°C to +50°C,
<b>Case temp.</b>	Maximum case temperature +80°C
<b>Humidity</b>	85 % RH
<b>IP Rating</b>	IP20
<b>Case</b>	Plastic
<b>MTBF</b>	Lifetime: typically 30,000hrs
<b>Connections</b>	Input & output terminals under cover
<b>Output Cable Length</b>	Maximum 2m to meet EMC standards
<b>Dimensions</b>	251 x 30 x 16mm
<b>Weight</b>	120g

## Description

The **SCV30VF1** series of “**Constant Voltage**” power supplies are designed specifically for use with LED’s in indoor applications and available with 12V & 24V output models. The key feature is their low profile (16mm ) and slimline package. The electronic protection turns off the power supplies in case of short circuit or overload, as well as open circuit or over temperature.

Model	Output V	Output A	Power W
<b>SCV30-12VF1</b>	12V	2.5A	30W
<b>SCV30-24VF1</b>	24V	1.25A	30W

