

# SCV6-75 SERIES

LED Power Supplies, Constant Voltage: 6 ~ 75 Watts



## Specifications

<b>Input Voltage</b>	240VAC ( 180 ~ 264 )
<b>Frequency</b>	50Hz
<b>Output Power</b>	6 ~ 75 watts
<b>Harmonics</b>	IEC61000-3-2
<b>Power Factor</b>	Model dependent: 0.5 ~ 0.9
<b>Efficiency</b>	Model dependant 80~85%
<b>Input No Load Power</b>	< 0.5W
<b>Output Voltage</b>	Fixed ±5% accuracy
<b>Regulation</b>	<±5%
<b>Ripple &amp; Noise</b>	12V models: 120mV pk-pk, 20MHz Bandwidth 24V models: 240mV 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 • Input-Output isolation test not be carried out on these power supplies.
<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 +45°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>Parallel Operation</b>	NO

## Features

- **Constant Voltage** LED power supplies
- 12V and 24Vdc output models
- Output power 6 ~ 75 watts
- High Efficiency up to 85%
- Power Factor Correction typically 0.85
- IP20 enclosure for indoor use
- Output short circuit protection
- Over temperature protection
- Safety: EN61347-1 & -2 **Approval No: NSW25721**
- EMC C-Tick
- Optional mains power cord



## Description

The **SCV** 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 electronic protection turns off the power supplies in case of short circuit or overload, as well as open circuit or over temperature.

These units are designed to be hard wired in fixed installations, or with an optional power cord, that can be connected to the input terminals with a standard AC plug, for easy installation to any GPO socket / outlet.

Model	Output V	Output A	Power W
<b>SCV6-12VF</b>	12V	0.5A	6W
<b>SCV6-24VF</b>	24V	0.25A	6W
<b>SCV12-12VF</b>	12V	1.0A	12W
<b>SCV12-24VF</b>	24V	0.5A	12W
<b>SCV15-12VF</b>	12V	1.25A	15W
<b>SCV15-24VF</b>	24V	0.625A	15W
<b>SCV20-12VF</b>	12V	1.67A	20W
<b>SCV20-24VF</b>	24V	0.84A	20W
<b>SCV30-12VF</b>	12V	2.5A	30W
<b>SCV30-24VF</b>	24V	1.25A	30W
<b>SCV50-12VF</b>	12V	4.17A	50W
<b>SCV50-24VF</b>	24V	2.08A	50W
<b>SCV75-12VL</b>	12V	6.25A	75W
<b>SCV75-24VL</b>	24V	3.12A	75W

Dimensions ( L x W x H )	6W: 99 x 46 x 11mm 12W: 127 x 50 x 11mm 15W: 129 x 51 x 14mm 20W: 154 x 50 x 14mm 30W: 160 x 58 x 18mm 50W: 185 x 64 x 22mm 75W: 201 x 63 30mm