

SCV6-75 SERIES

LED Power Supplies, Constant Voltage: 6 ~ 75 Watts



Specifications

Input Voltage	240VAC (180 ~ 264)
Frequency	50Hz
Output Power	6 ~ 75 watts
Harmonics	IEC61000-3-2
Power Factor	Model dependent: 0.5 ~ 0.9
Efficiency	Model dependant 80~85%
Input No Load Power	< 0.5W
Output Voltage	Fixed $\pm 5\%$ accuracy
Regulation	$< \pm 5\%$
Ripple & Noise	12V models: 120mV pk-pk, 20MHz Bandwidth 24V models: 240mV pk-pk, 20MHz Bandwidth
Open Circuit Voltage	12V models: < 13V, 24V models: < 25V
Turn-on Delay	Typically <2sec.
Isolation	Input ~ output: 3000VAC <ul style="list-style-type: none"> Input-Output isolation test not be carried out on these power supplies.
Insulation	Class II
Protection	Short circuit protection Over temperature protection
Safety	IEC61347-1 ,IEC61347-2-13
EMI	IEC/EN55015 Conducted Lev B IEC/EN55015 Radiated Lev B
Immunity	IEC61547
Operating Temp.	-20°C to +45°C,
Case temp.	Maximum case temperature +80°C
Humidity	85 % RH
IP Rating	IP20
Case	Plastic
MTBF	Lifetime: typically 30,000hrs
Connections	Input & output terminals under cover
Output Cable Length	Maximum 2m to meet EMC standards
Parallel Operation	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
SCV6-12VF	12V	0.5A	6W
SCV6-24VF	24V	0.25A	6W
SCV12-12VF	12V	1.0A	12W
SCV12-24VF	24V	0.5A	12W
SCV15-12VF	12V	1.25A	15W
SCV15-24VF	24V	0.625A	15W
SCV20-12VF	12V	1.67A	20W
SCV20-24VF	24V	0.84A	20W
SCV30-12VF	12V	2.5A	30W
SCV30-24VF	24V	1.25A	30W
SCV50-12VF	12V	4.17A	50W
SCV50-24VF	24V	2.08A	50W
SCV75-12VL	12V	6.25A	75W
SCV75-24VL	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