

SCC6-30 SERIES

LED Power Supplies, Constant Current: 6-30 Watts



Features

- **Constant Current** LED power supplies
- Output current up to 1400mA
- Output Power up to 30 watts
- High Efficiency up to 84%
- 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



Specifications

Input Voltage	240VAC (180 ~ 264)
Frequency	50Hz
Output Power	6-30 watts
Harmonics	IEC61000-3-2
Power Factor	Model dependent: 0.5
Efficiency	Model dependant 80~85%
Input No Load Power	< 0.8W
Output Voltage	See table
Output Current	See table
Regulation	<±10%
Open Circuit Voltage	Model dependent, typically 8-15% of Max Vout.
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

Description

The **SCC** series of “**Constant Current**” power supplies are designed specifically for use with LED’s in indoor applications and available with a range of 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	Constant Current	Max Output Vdc	Power W
SCC6-350IF	350mA	17.5V	0-6W
SCC6-700IF	700mA	9.0V	0-6W
SCC12-350IF	350mA	34.0V	0-12W
SCC12-700IF	700mA	17.0V	0-12W
SCC15-350IF	350mA	42.0V	10-15W
SCC15-500IF	500mA	30.0V	10-15W
SCC15-700IF	700mA	21.0V	10-15W
SCC20-350IF	350mA	56.0V	11-20W
SCC20-500IF	500mA	40.0V	11-20W
SCC20-700IF	700mA	29V	10-20W
SCC30-700IF	700mA	42.0V	15-30W
SCC30-1100IF	1000mA	27.0V	15-30W
SCC30-1400IF	1400mA	21.0V	15-30W

Dimensions (L x W x H)	6W: 98.4 x 45.6 x 10.7mm
	12W: 127.3 x 49.8 x 10.7mm
	15W: 128.4 x 50.6 x 13.5mm
	20W: 154 x 50 x 14mm
	30W: 159.9 x 57.8 x 18mm