

# 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

|                             |   |
|-----------------------------|---|
| <b>Input Voltage</b>        | 240VAC ( 180 ~ 264 )  |
| <b>Frequency</b>            | 50Hz  |
| <b>Output Power</b>         | 6-30 watts  |
| <b>Harmonics</b>            | IEC61000-3-2  |
| <b>Power Factor</b>         | Model dependent: 0.5  |
| <b>Efficiency</b>           | Model dependant 80-85%  |
| <b>Input No Load Power</b>  | < 0.8W  |
| <b>Output Voltage</b>       | See table   |
| <b>Output Current</b>       | See table   |
| <b>Regulation</b>           | <±10%   |
| <b>Open Circuit Voltage</b> | Model dependent, typically 8-15% of Max Vout.   |
| <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<br>Over temperature protection   |
| <b>Safety</b>               | IEC61347-1 ,IEC61347-2-13   |
| <b>EMI</b>                  | IEC/EN55015 Conducted Lev B<br>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  |

## 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 |
|---------------------|------------------|----------------|---------|
| <b>SCC6-350IF</b>   | 350mA            | 0-17V          | 6W      |
| <b>SCC6-700IF</b>   | 700mA            | 0-8.5V         | 6W      |
| <b>SCC12-350IF</b>  | 350mA            | 0-34V          | 12W     |
| <b>SCC12-700IF</b>  | 700mA            | 0-17V          | 12W     |
| <b>SCC15-350IF</b>  | 350mA            | 30-42V         | 15W     |
| <b>SCC15-500IF</b>  | 350mA            | 20-30V         | 15W     |
| <b>SCC15-700IF</b>  | 700mA            | 12-21V         | 15W     |
| <b>SCC20-350IF</b>  | 350mA            | 30-56V         | 20W     |
| <b>SCC20-500IF</b>  | 500mA            | 22-40V         | 20W     |
| <b>SCC20-700IF</b>  | 700mA            | 14-29V         | 20W     |
| <b>SCC30-700IF</b>  | 700mA            | 21-42V         | 30W     |
| <b>SCC30-1100IF</b> | 1000mA           | 14-28.6V       | 30W     |
| <b>SCC30-1400IF</b> | 1400mA           | 10.8-21.6V     | 30W     |

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