

# AC Power Supply

Preliminary Specifications

SBC



Note – colour scheme different to as shown



Note shown in frame with  
Secondary Rear Assembly  
and without decal

## Features

- Switchable 110-115/220-240Vac version
- 220-240Vac only version
- 110-115Vac only version
- Standard IEC connector
- Input Fuse

## Description

The AC power supply outputs +/-15Vac @ 80VA to one power bus on the Darkstar 3RU high, 84HP wide and 220mm deep frame. The each power bus on the frame is selectively powered by the choice of rear assembly. If a primary power rear assembly is used, then the primary bus is powered, likewise for the secondary rear assembly. A frame is typically configured with a primary power supply rear assembly and optionally with a secondary power supply rear assembly. All power supplies are identical, therefore, any type of power supply can be used or swapped in service. The power rear assemblies are passive and screwed to the rear of the frame. The power supply modules can be AC or DC versions and hot swapped quickly from the front of the frame if necessary. Fuse replacement is simplified by the fuse holder being on the rear of the power supply module. It is recommended that a small cable loop is provided on the AC power cable or DC power cable, this allows the power supplies to be accessed quickly and easily via the front of the frame.

## Specifications

### 240V only version

|         |                                    |
|---------|------------------------------------|
| Voltage | 240Vac +/- 20%                     |
| Power   | 80VA                               |
| Fuse    | 500mA anti-surge                   |
| Size    | 3RU high, 12HP wide and 220mm deep |

### 110V only version

|         |                                    |
|---------|------------------------------------|
| Voltage | 110Vac +/- 20%                     |
| Power   | 80VA                               |
| Fuse    | 1A anti-surge                      |
| Size    | 3RU high, 12HP wide and 220mm deep |

### 110-115Vac/220-240Vac switchable version

|         |                                    |
|---------|------------------------------------|
| Voltage | 110-115Vac/220-240Vac              |
| Power   | 80VA                               |
| Fuse    | 500mA anti-surge (220-240Vac)      |
| Fuse    | 1A anti-surge (110-115Vac)         |
| Size    | 3RU high, 12HP wide and 220mm deep |

## Alarm & Control Interface

Power 1 LED indicates power from power supply  
Power 2 LED indicates power from alternate power bus  
Alarm relay contacts (N/O – open = normal operation)

## Compatibility

Compatible with all SBC modules supporting digital video interfaces  
Compatible with SBC 3RU, 84HP Eurocard frame  
Compatibility with third party frames upon request.