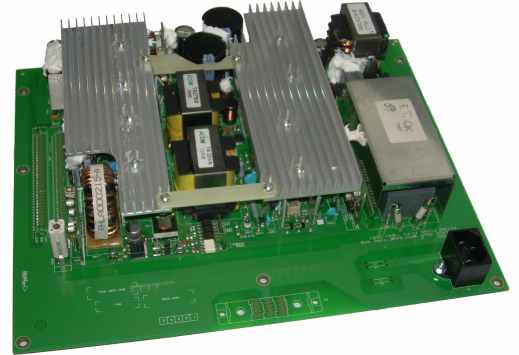


## Special Features

- 800W Output Power
- Wide range operative temperature for outdoor applications
- Low Acoustic Noise with High Dynamic Loads
- Efficiency >78%
- Active PFC
- No minimum load required
- Soft Start
- Remote ON-OFF
- Fan Failure alarm
- RoHS-6 Compliant (Directive 2002/95/EC)



## Application

Media & Entertainment Systems, Video LED Display

## Input Specification

Input Voltage	230Vac (170Vac to 264Vac), Single Phase
Input Frequency	50Hz, 60Hz (47Hz to 63Hz)
Input Current (max)	6A
Inrush Current (max)	35A
Active Power Factor Correction	>0.95 (Full Load)
Input Protection	with replaceable internal fuse, 10A

## Output Specification

	Output1	Output2	Aux Output
Output Voltage	4Vdc	5.8Vdc	24Vdc
Output Voltage Range (adjustable by potentiometer)	3.2Vdc to 4.2Vdc	4.64Vdc to 6.09Vdc	24Vdc
Voltage Regulation	±3%	±3%	±10%
Output Current (nominal)	0 to 25A	0 to 40A	0 to 4A
Maximum Output Current	50A	70A	4A
Ripple	<1%	<1%	<1%

Maximum Output Power

800W

Efficiency

>78% (Full Load@230Vac)

Hold-up Time

>35ms (Full Load@230Vac)

## Protection

Output Over Voltage

with automatic hiccup

Output Over Current

with automatic hiccup

Over Temperature

automatic shutdown with an internal thermal switch (automatic recovery after removing fault condition)

## Features

Soft Start

Remote ON-OFF  
driver

Start-up by external ON-signal (5mA) by opto-isolated Triac

Fan Failure alarm

Internal Fan System speed control circuit for low acoustic noise

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Rev. 01 May07 – Pag. 2/4

## Environmental

Operating Temperature	-40°C to +80°C; the power supply is able to start-up at -30°C
Storage Temperature	-40°C to +85°C
Relative Humidity	10 to 90% (operating), 5 to 95% (storage) RH (non-condensing)
Cooling	External Fan required (82CFM at max ambient temperature)
MTBF	>350000 h (Calculated @ 50°C ambient temperature - Telcordia Issue 1)

## Safety

Safety Agency Approvals	cURus, D, CB certificate
Safety Standards	IEC 60950-1 Ed.1.0 (2001), UL 60950-1:2003, First Edition, CSA C22.2 No. 60950-1-03 1st Ed. April 1,2003 CCC

## EMC Compliance

Conducted & Radiated	EN55022
Immunity	EN55024
ESD Immunity	EN61000-4-2
Harmonic Distortion	EN61000-3-2
Fast Transients/bursts	EN61000-4-4
Input Line surges	EN61000-4-5
Voltage Dips	EN61000-4-11

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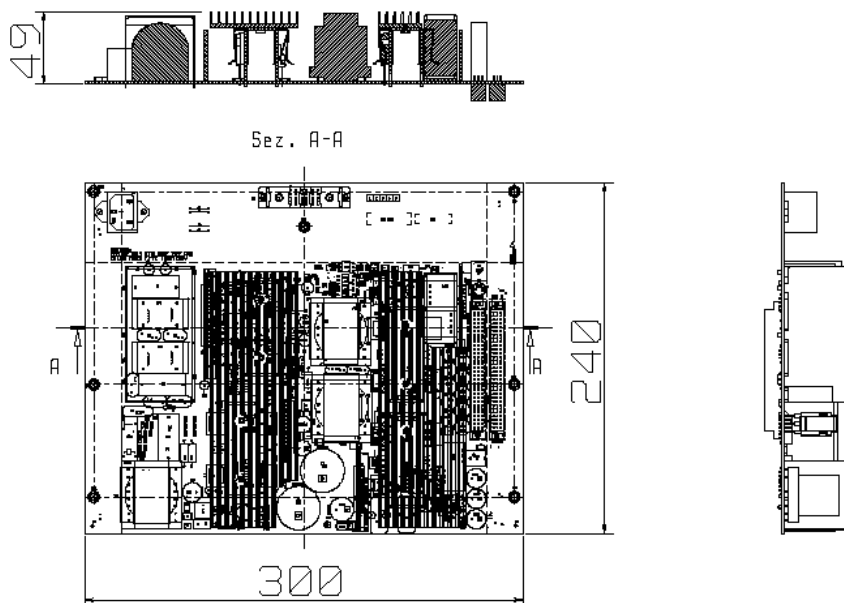
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## Physical Specification

Case	Open frame
Dimensions (H,W,D)	49mm x 240 mm x300 mm = 1.96" x 9.45" x 11.81"
Weight	2kg = 4.4 lb



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