

SA60CC LED power supply

Features:

- Single output constant current or constant voltage supply
 - Suitable for LED applications
- High efficiency
- Dimmable output 100% to 30%
- Small size 51 x 127 x 31(H) mm
- Class II
- Open frame or cased option
- Low cost
- Low touch currents
- Meets requirements of EN61000-3-2 PFC Class C
- Meets requirements of EN55022 'B' for conducted noise
- LED power supply, power source, driver, current source



Specification:

INPUT	
Input Voltage	100 – 230 Vac +/-10%
Frequency Range	50 / 60Hz
Temperature Range	0 – 50°C ambient (Convection cooled, uncased)
Input Fuse	T2H 250V TR5
Input Current	0.8Arms (90Vacin, 60W load)
Hold-up Time	16mS (110Vacin, 60W load) 16mS (230Vacin, 60W load)
No load power	2.4W (230Vacin)
Power Factor	0.95 (230Vacin, Full load)
Start-up	Less than 2 second, 100Vacin
OUTPUT	
Output Power	60W max, derate by 10% if continuous use below 100Vacin
Open Circuit Output Voltage	53V +/- 1V
Output Current	350mA - 1.2A adjustable on pcb (minimum voltage = 3V)
Dimmable Output Current	100% to 30% via on-board adjuster or 0-5V programming input (0-10V option)
Efficiency	> 85% (230Vacin, Full load)
OVP	< 60V (latching and non dissipative) recycle mains to reset
Short Circuit Protection	Constant current output
Signals	Output LED
Load regulation	+/- 1%
Line regulation	+/- 0.1%
Noise & ripple	< 1% (230vacin, Full load, BW = DC – 10MHz)
ENVIRONMENT	
Temperature	0°C to +70°C (Derate 2.5% / °C above 50°C)
Cooling	Convection only
Humidity	10-95% non-condensing
Storage	-25°C to +85°C
MTBF	>100,000 hrs 25°C (MIL217F parts count method)

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SAFETY & REGULATORY SPECIFICATIONS

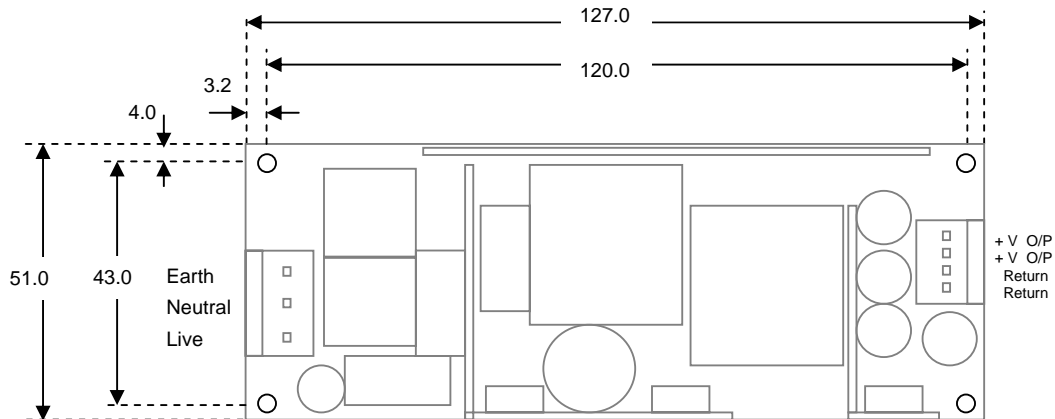
PSU Class	Class I & II :- Component part
Safety	Certified to EN60950, CE marked against LVD Designed to meet UL60950
Flash test	I/p to O/p, 4300V DC Cased units, I/p to O/p & E, 2200V DC
Earth leakage current	None
Output touch current	<100uA rms (230Vacin 50Hz)
EMC – Conducted	Designed to meet requirements of EN55022 “Class B”
EMC – Radiated	Designed to meet requirements of EN55022 “Class A”
EMC – Power Factor	Designed to meet requirements of EN61000-3-2 “Class C”
EMC – Fast Transients	Designed to meet requirements of EN61000-4-4
EMC – Surge	Designed to meet requirements of EN61000-4-5
EMC – Voltage Dips & Fluctuations	Designed to meet requirements of EN61000-4-11

MECHANICAL

Dimensions	127.0mm x 51.0mm x 31.0mm (H)
Fixings	4x 3.8mm holes - See below
Input Connector	5W MOLEX 5273 series or equivalent (Pins 2 & 4 removed)
Output Connector	4W Molex 5273 series or equivalent
Pin-out	See below
Weight	205grams

Technical specification may be subject to change – contact sales office before ordering.

Mounting and Connection Diagram



(All dimensions in mm)

tel: +44(0)1379 644233
www.stadiumpower.co.uk



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