

SA200 Power Supply



Features:

- 200 Watt
- Single output
- High efficiency
- Cased with integral fan
- Low cost
- Meets requirements of EN61000-3-2 PFC Class D
- Meets requirements of EN55022 'B' for conducted noise

Specification:

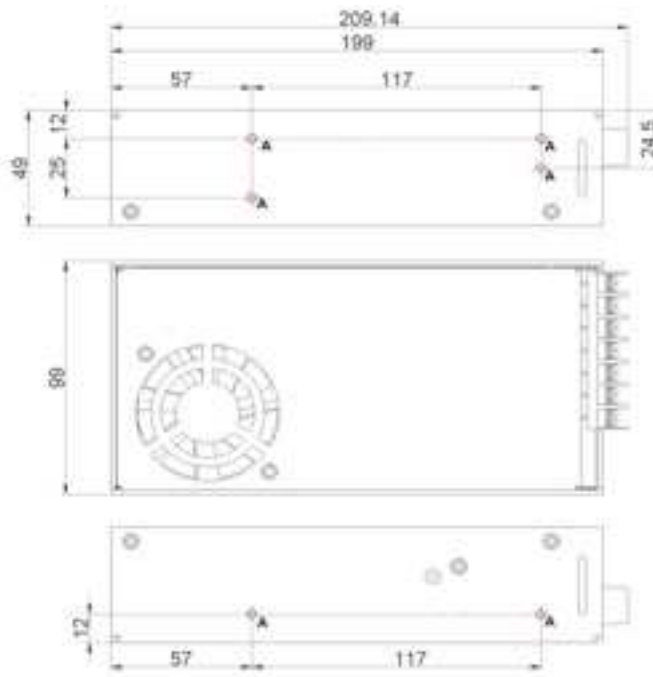
INPUT	
Input voltage	100 – 230 Vac +/-10%
Frequency Range	50-60Hz
Temperature Range	0 – 50°C ambient (Integral fan cooling)
Input fuse	T2H 250V 5x20mm
Input Current	2.9Arms (90Vacin, 200W load)
Hold-up Time	20ms (110Vacin, 200W load) 20ms (230Vacin, 200W load)
Power Factor	0.95 (230Vacin, Full load)
No Load Power	6W (230Vacin)
Start-up	Less than 3 seconds, 100Vacin
OUTPUT	
Output Voltage	12V/24V/48V (+/-4% adjustment on pcb)
Output Current	15A/8.3A/4.15A (200Wmax)
Power limit	115% +/-10% (100Vacin)
Efficiency	Up to 85% (230Vacin, Full load, 48V unit)
OVP	105-125% (latching and non dissipative) recycle input to restart
Short Circuit Protection	Hiccup mode
Signals	O/p LED, Remote sense connector
Current limit	Secondary side (25 – 100% adjustment)
Thermal Protection	Primary side thermal protection (non-latching)
Load regulation	+/-0.5%
Line regulation	+/-0.5%
Noise & ripple	0.5% (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)

Specification:

SAFETY & REGULATORY SPECIFICATIONS	
PSU Class	Class I:- 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	< 1.25mA (230Vacin 50Hz)
Output touch current	< 200uA rms (230Vacin 50Hz)
EMC – Conducted	Designed to meet requirements of EN55022 “Class B”
EMC – Radiated	Designed to meet requirements of EN55022 “Class B”
EMC - Power Factor	Designed to meet requirements of EN61000-3-2 “Class D”
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	210mm x 99mm x 49.5mm (H)
Fixings	M4 mountings on base and side
Input Connector	3W Terminal block
Output Connector	4W Terminal block
Pin-out	See below
Weight	850grams

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

Mounting and Connection Diagram



Pin 7 = Live
Pin 6 = Neutral
Pin 5 = Earth
Pin 4 = 0v / Return
Pin 3 = 0v / Return
Pin 2 = + V
Pin 1 = + V

Data sheets are subject to change without notice

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