

Switchbox SP200 Series

200W SINGLE OUTPUT AC/DC GENERAL

Features

- Power factor correction 0.98
- Low ripple noise
- Soft start with limiting AC surge current
- Over voltage protection
- Over load protection
- 100% full load burn-in test
- UL, TUV, CE pending



Specifications

INPUT

Voltage range	85-264VAC, 120-370VAC.
Frequency	47-63Hz.
Inrush current	Peak max 40A.
Power factor	0.98@115VAC, 0.95@230VAC.

OUTPUT

Power	200W.
Voltage	See table (±10% adj).
Line regulation	±0.5%.
Load regulation	±1%.
Hold up time	20 mS.
Overload protection	105% to 135% constant current limiting, auto recovery.
Over voltage protection	115% to 135% of output voltage.
Withstand voltage	I/P-O/P: 3kV, I/P-FG: 1.5kV, OP-FG: 0.5kV.

ENVIRONMENTAL

Operating temperature	0°C to +40°C @ 100%, -10°C @ 80%, 50°C @ 50%.
Cooling	Forced air by built-in fan.

GENERAL

Expected lifetime	Ambient temperature 25°C, 100% load, forced air cooling by built-in fan, at 230VAC input: 220.000 hours. Ambient temperature 40°C, 100% load, forced air cooling by built-in fan, at 230VAC input: 60.000 hours.
Dimensions (L x W x H)	199 x 99 x 50 mm.

STANDARDS

Safety standards	Design refer to UL 1950, EN 60950.
EMC standards	Design refer to EN 55022 class B, EN 61000-3-2, -3, EN 61000-4-2, -3, -4, -5, -6, -8, -11.

ARTICLE NUMBER	OUTPUT	TOLERANCE	RIPPLE & NOISE	POWER	EFF.
SP-200-3.3	3.3V 40A	±2%	100mV	132W	71%
SP-200-5	5V 40A	±2%	100mV	200W	75%
SP-200-7.5	7.5V 26.6A	±2%	100mV	200W	78%
SP-200-12	12V 16.7A	±2%	100mV	200W	81%
SP-200-13.5	13.5V 14.8A	±2%	100mV	200W	81%
SP-200-15	15V 13.4A	±2%	100mV	200W	82%
SP-200-24	24V 8.4A	±1%	100mV	200W	83%
SP-200-27	27V 7.4A	±1%	100mV	200W	83%
SP-200-48	48V 4.2A	±1%	150mV	200W	84%

