



SWITCH MODE POWER SUPPLY

FLEX ATX v1.0

SS-250/200SU ACTIVE PFC

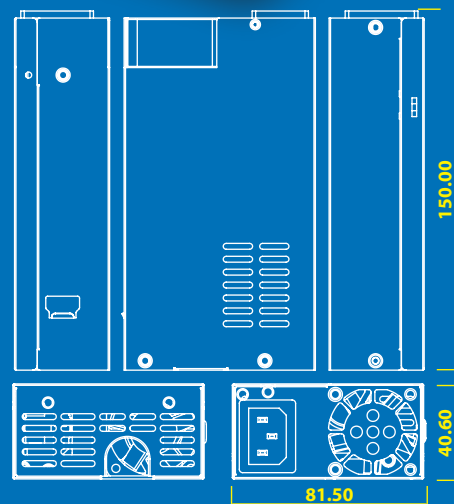
FEATURES:

- ✓ Flex ATX v1.0 compliant
- ✓ Forward converter circuit
- ✓ High efficiency and reliability
- ✓ Zero minimum load on 3.3 V rail
- ✓ Super low noise fan control
- ✓ Short circuit protection on all outputs
- ✓ Over voltage protection
- ✓ Over power protection
- ✓ 100 % HiPot test
- ✓ 100 % Burn-in, high temperature cycled on/off
- ✓ PFC harmonics compliance: EN61000-3-2: 2006 + A1: 2007 + A2: 2009

ELECTRICAL SPECIFICATIONS:

| Model | DC Outputs | | | | | Total power | Input type |
|---------------------------------------|--------------|------|----------------|-------|--------|-------------|------------|
| | +3.3 V | +5 V | +12 V Combined | -12 V | +5 Vsb | | |
| SS-250SU APFC F0 (80 PLUS® Bronze) | 14 A | 17 A | 18 A | 0.8 A | 2 A | 250 W | Full range |
| | 110 W (max.) | | 216 W | | | | |
| SS-200SU APFC F0 (80 PLUS®) | 14 A | 17 A | 14 A | 0.8 A | 2 A | 200 W | Full range |
| | 110 W (max.) | | 168 W | | | | |

| | |
|--|---------------------|
| Input frequency | 50 / 60 Hz |
| Efficiency (at normal input voltage) | > 80 % (250SU only) |
| Dielectric withstand, input to frame/ground | 1800 VAC, 1sec |
| Dielectric withstand, input to output | 1800 VAC, 1sec |
| Line regulation | ± 1 % (typical) |
| Load regulation | ± 5 % (typical) |
| Cross regulation | ± 5 % (typical) |
| MTBF, full load @ 25 °C ambient (excl. DC fan) | > 100,000 hours |
| Active Power Factor Correction | 99 % (typical) |



Dimensions:

150 mm (L) x 81.5 mm (W) x 40.6 mm (H)
(5.9" x 3.2" x 1.6")

Connectors:

Main Power
ATX 12 V
Peripherals: SATA, HDD, FDD

Fan size: 40 mm x 40 mm

Safety:

| | | | | |
|--------|-----|-----|-----|-------|
| CB | cUL | UL | CCC | SEMKO |
| ■ | ■ | | ■ | |
| cTUVus | TUV | VDE | PSE | EAC |
| | ■ | | | |

EMI/EMC:

| | | | |
|------|----|-----|--------|
| BSMI | CE | FCC | C-tick |
| ■ | ■ | ■ | ■ |



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.