

# SDX-425 Series, 48V / 96V Input

## 425watts DC-DC Power Supply for ATX System



150 x 140 x 86mm  
 5.90 x 5.51 x 3.39inch

### FEATURES

- Meet: UL1950, TUV EN 60 950, CSA C222 No 950, FCC part 15 class B, CISPR 22 class B
- Input & output isolation
- Soft start function, low inrush current
- Input over voltage and under voltage protection
- Input polarity reverse protection
- Over load, over voltage & short circuit, protection
- Power good signal
- +3.3V & +5V output remote sensing
- Meet Intel ATX 2.01 / ATX 2.03
- Built-in long life ball bearing fan
- 100% 50 burn-in test.
- 2 year warranty.

### AMBIENT

- Operating temperature range: 0~70 °C
- De-rating factor 45 ~70 °C: 2%/°C
- Storage temperature: -10 to +75 °C
- Humidity: Operation: 20% to 85% RH. (Non condensing)
- Storage: 10% to 95% RH. (Non condensing)
- MTBF: SDX-425-48: >178,000 hours
- SDX-425-96: >110,000 hours

### DC INPUT

- Input range: SDX-425-48: 36V~72V
- SDX-425-96: 72V~144V
- Current: SDX-425-48: <17.5A@36V
- SDX-425-96: <8.5A@72V

### DC OUTPUT

- Maximum power: SDX-425-48: 36V~39V: 360watts
- 40V~72V: 425watts
- SDX-425-96: 425watts
- Rise Time: 20ms

VOLTAGE	+3.3 V	+5 V	+12 V	-5 V	-12 V	+5 VSB
MIN. LOAD	0.5 A	3 A	1 A	0 A	0 A	0 A
MAX. LOAD	28 A	45 A	20 A	8 A	2.5 A	1.5 A
REGULATION	±5%	+5/-4%	±6%	±5%	+10/-8%	±5%
RIPPLE & NOISE(MAX.)	50mV	50mV	120mV	70mV	150mV	50mV
EFFICIENCY(TYP.)	SDX-425-48: 68% at 48VDC full load condition SDX-425-96: 70% at 96VDC full load condition					

**Total combined power on +3.3V & +5V are 225watts maximum.**

