

# SDX 300

# ATX / PS2

# 300W

Country of Origin : Taiwan  
 Operating Temperature : 0 ~ 70° C  
 Dimension : 140 x 150 x 86 mm  
 Approvals : CE



### Features:

#### 24V / 48V / 96V Input

- 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
- meets Intel ATX 2.01 / ATX 2.03 standard
- Built-in long life ball bearing fan
- 100% 50°C burn-in test
- 1 year warranty

### Specification:

MODEL		SDX-300						
		V1	V2	V3	V4	V5	V6	
OUTPUT	Voltage	+3.3V	+5V	+12V	-5V	-12V	+5V <sub>SB</sub>	
	min. Load	<b>SDX-300-24</b>	0.2 A	3 A	0.5 A	0 A	0 A	0 A
		<b>SDX-300-48 / 96</b>	0.5 A	3 A	1 A	0 A	0 A	0 A
	max. Load	<b>SDX-300-24</b>	25 A	30 A	18 A	8 A	2.7 A	1.5 A
		<b>SDX-300-48 / 96</b>	30 A	35 A	18 A	0.5 A	1 A	1.5 A
	Tolerance		±5%	±5%	±5%	±5%	±10%	±5%
	Ripple & Noise (max)		50mV	50mV	120mV	70mV	150mV	50mV
Efficiency min. (typical)		<b>SDX-300-24:</b> 64% at 24VDC full load condition <b>SDX-300-48:</b> 68% at 48VDC full load condition <b>SDX-300-96:</b> 72% at 96VDC full load condition						
Max. Output Power	+3.3V & +5V :	<b>SDX-300-24</b> : 150W / <b>SDX-300-48</b> : 175W						
	Total :	300W						
INPUT	Voltage	<b>SDX-300-24:</b> 19~32V		<b>SDX-300-48:</b> 40~72V		<b>SDX-300-96:</b> 72~144V		
	Current	<b>SDX-300-24:</b> <24.8A@19V		<b>SDX-300-48:</b> <13A@40V		<b>SDX-300-96:</b> <5.9A@72V		
PROTECTION	Input	Input over voltage and under voltage protection / Input polarity reverse protection						
	Output	Over load, over voltage & short circuit protection						
OTHERS	Rise time	< 20ms						
	TTL Signal	Power Good Signal						
	Cooling	Built-in long life ball bearing fan						
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 45 ~ 70°C : 2%/°C / Storage: -10 ~ 75°C						
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)						
M.T.B.F.		<b>SDX-300-24:</b> >170K hours / <b>SDX-300-48:</b> >110K hours / <b>SDX-300-96:</b> >188K hours						
SAFETY		CE						
EMC	EMI	FCC CFR 47 PART 15 CLASS B / EN 50081-1 / CNS 13438 CLASS B						
	EMS	EN 50082-1						
WEIGHT		N.W.: 1.7 kg/pc						

