

# SDX 6250

# ATX / 1U

# 250W

Country of Origin : Taiwan  
Operating Temperature : 0 ~ 70° C  
Dimension : 205 x 100 x 40.5 mm  
Approvals / Marks : UL, c-UL, TÜV, CB, CE



## Features:

48VDC Input  
Input and output isolation  
Soft start function, low inrush current  
Input under and over voltage protection  
Over load, over voltage & short circuit protection  
Built-in long life ball bearing fan  
100% 50°C burn-in test  
meets Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS

## Specification:

MODEL		SDX-6250-48					
OUTPUT	Voltage	V1	V2	V3	V4	V5	V6
		+3.3V	+5V	+12V	-5V	-12V	+5V <sub>SB</sub>
	min. Load	0.1A	2A	0.2A	0A	0A	0A
	max. Load	20A	28A	16A	0.5A	1A	2A
	Tolerance	±5%	+8 / -5%	±5%		+8 / -5%	±5%
	Ripple & Noise (max)	50mV		120mV	50mV	200mV	50mV
Efficiency (typ)	70%						
Max. Output Power	140W			12W			
	250W						
INPUT	Voltage	40 ~ 65VDC Typical 48V					
	Current	<9A@40VDC input, full load condition					
PROTECTION	Input Over Voltage	Ceramic fuse : 12A/125V					
	Input Under Voltage	Yes					
	Over Load	Over 105% ~ 150% of rating, Shutdown, auto recovery when fault has been removed					
	Over Voltage	+3.3V: 3.8 ~ 4.6V / +5V: 5.8 ~ 7V / +12V: 13.8V ~ 17.5V Shutdown, auto recovery					
	Short Circuit	Shutdown, auto recovery when fault has been removed					
OTHERS	Rise time	<20ms					
	TTL Signal	Power Good Signal, PS-ON Signal					
	Cooling	Two 10CFM (min.) DC ball bearing Fan					
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 45 ~ 70°C : 2.5%/°C / Storage: -10 ~ 75°C					
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)					
M.T.B.F.	> 138K hours (according to MIL-HDBK-217F at 25°C environment)						
SAFETY	Approved: UL 1950 / CSA C22.2 No. 950 / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94						
EMC	EMI	FCC CFR 47 PART 15 CLASS B / EN 50081-1 / EN 55022 / CNS 13438 CLASS B					
	EMS	EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11					
WEIGHT	N.W.: 1.3 kg/pc						