

# SDX 250

# ATX / PS2

# 250W

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  
Built-in long life ball bearing fan  
100% 50°C burn-in test.  
1 year warranty

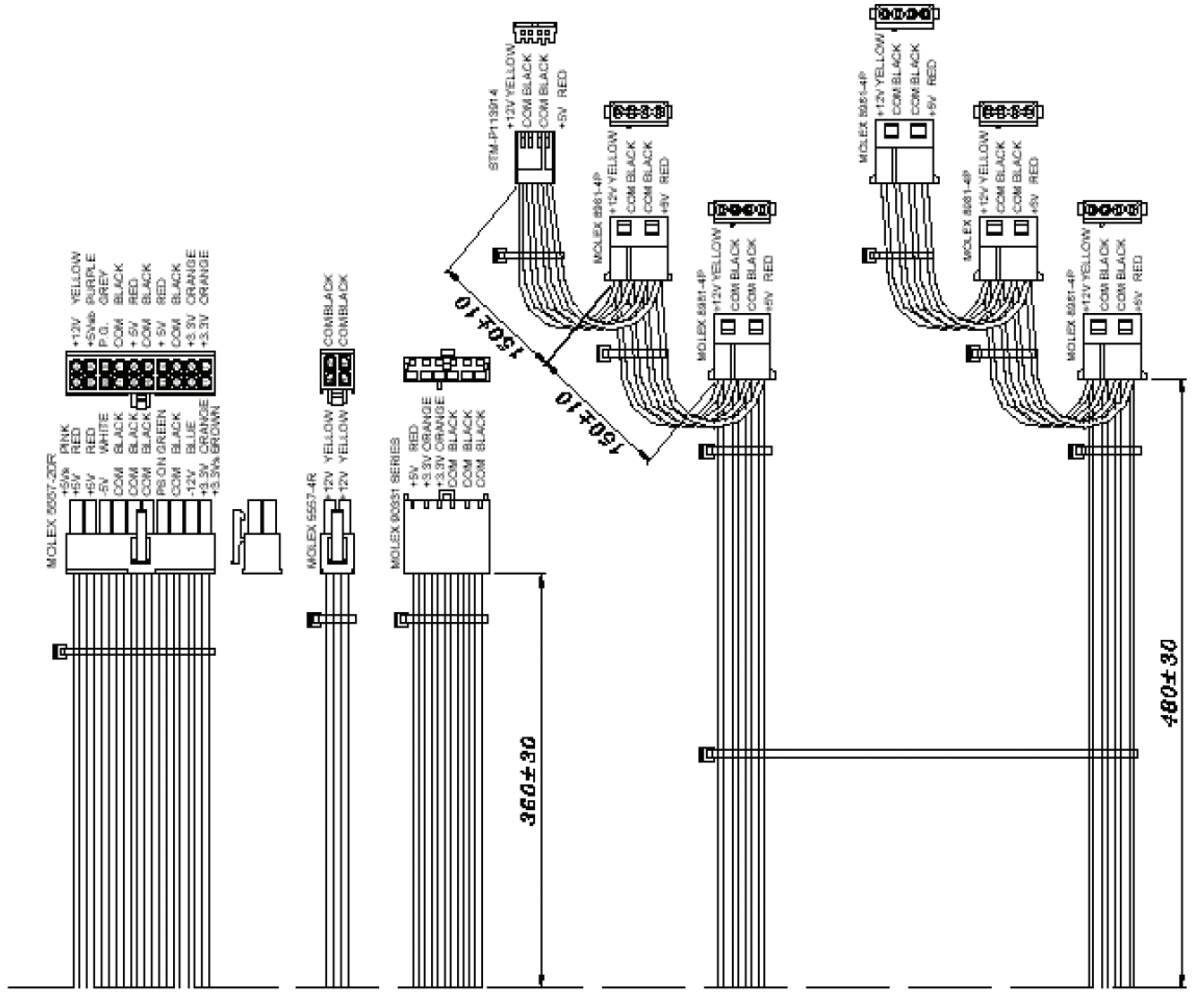
## Specification:

| MODEL             |                         | SDX-250   |          |                                |       |                                |                   |
|-------------------|-------------------------|---|----------|--------------------------------|-------|--------------------------------|-------------------|
|                   |                         | V1  | V2       | V3                             | V4    | V5                             | V6                |
| OUTPUT            | Voltage                 | +3.3V   | +5V      | +12V                           | -5V   | -12V                           | +5V <sub>SB</sub> |
|                   | min. Load               | 0.5 A   | 3 A      | 1 A                            | 0 A   | 0 A                            | 0 A               |
|                   | max. Load               | 25 A  | 30 A     | 12 A                           | 0.5 A | 1 A                            | 1 A               |
|                   | Tolerance               | ±5%   | +5 / -4% | ±5%                            | ±5%   | +10 / -8%                      | ±5%               |
|                   | Ripple & Noise (max)    | 50mV  | 50mV     | 120mV                          | 120mV | 70mV                           | 50mV              |
|                   | Efficiency min. (typ.I) | <b>SDX-250-24:</b> 66% at 24VDC full load condition<br><b>SDX-250-48:</b> 68% at 48VDC full load condition<br><b>SDX-250-96:</b> 74% at 96VDC full load condition |          |                                |       |                                |                   |
| Max. Output Power | +3.3V & +5V :           | 150W  |          |                                |       |                                |                   |
|                   | Total :                 | 250W  |          |                                |       |                                |                   |
| INPUT             | Voltage                 | <b>SDX-250-24:</b> 19 ~ 32V   |          | <b>SDX-250-48:</b> 36 ~ 72V    |       | <b>SDX-250-96:</b> 72 ~ 144V   |                   |
|                   | Current                 | <b>SDX-250-24:</b> <20.1A@19V   |          | <b>SDX-250-48:</b> <11A@36V    |       | <b>SDX-250-96:</b> <5A@96V     |                   |
| 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-250-24:</b> >188K hours  |          | <b>SDX-250-48:</b> >110K hours |       | <b>SDX-250-96:</b> >150K 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   |          |                                |       |                                |                   |

# SDX 250 / SDX 300

All measurements in millimeters [mm]

**OUTPUT**



**OUTPUT**

