

## FORCE 600W DR-8600BTX (FO27XD) 12cm Fan

### Feature

- Complies with ATX12V Version 2.2 V
- 230 Vac Selectable
- 120\*120\*25mm Cooling fan design
- Dimension : 150(L)\*140(W)\*86(H)mm

### Environmental

- Operating temperature : 5°C to 40°C
- Storage temperature : -20°C to 70°C
- MTBF : >80'000hrs at 80% load , 25°C ambient

### EMI/RFI

- FCC Part 15 Class B , CISPR 22 Class B , CE

### Electrical Specification

#### Input

- Input range : 230Vac.
- Frequency : 47~63Hz
- Input Current :  
600W : 6A FOR 230Vac
- Efficiency : 75% at full load , nominal line.
- Inrush current : The maximum inrush current  
Shall be less than 60A peak from a cold start  
at any line voltage

### DC Connectors

One 20+4Pin Main Connector  
Three Serial ATA Connectors  
Two HDD Connectors  
One Floppy Drive Connectors  
One PCI-E Connector  
One P8 (4+4) connector

| Output                              | Output # | I min | I max. | I peak |
|-------------------------------------|----------|-------|--------|--------|
| +12 V1                              | 1        | 1A    | 22A    | 26A    |
| +12 V2                              | 2        | 1A    | 22A    | 26A    |
| +5 V                                | 3        | 0.5A  | 30A    |        |
| +3.3 V                              | 4        | 0.8A  | 24A    |        |
| -12 V                               | 5        | 0.0A  | 0.5A   |        |
| +5 VSB                              | 6        | 0.1A  | 2.5A   |        |
| +5V & +3.3V combined load           |          |       | 150 W  |        |
| +5V & +3.3V & +12Vcombined load     |          |       | 585 W  |        |
| +12V Output Current not exceed      |          |       | 40 A   |        |
| +12V Output Peak Current not exceed |          |       | 45 A   |        |
| Total power rating                  |          |       | 600 W  |        |

### Output

- Max. : 600W
- Hold up time : >17ms at full load , nominal line.
- Rise time : <20ms at full load , nominal line.
- Over voltage protection : +3.3V , +5V , +12V.
- Over power protection : 120-160%
- Short circuit protection : Latch off.
- Over current protection
- Power good signal : TTL compatible.

- **REGULATION :**

+12V1 : 11.4V~12.6V====±5%  
+12V2 : 11.4V~12.6V====±5%  
+5V : 4.75V~5.25V ====±5%  
+3.3V : 3.14V~3.47V====±5%  
-12V : -10.8V~-13.2V====±10%  
+5VSB : 4.75V~5.25V====±5%

- **RIPPLE&NOISE(mV) :**

+12V1 ----- 150mVp-p  
+12V2 ----- 150mVp-p  
+5V ----- 80mVp-p  
+3.3V ----- 100mVp-p  
-12V ----- 150mVp-p  
+5VSB ----- 80mVp-p