

SPECIFICATION

SilverStone 60W DC-DC Converter

END-0600

1.0 INPUT CHARACTERISTICS

1.1 Input Voltage

12VDC

1.2 Input Current

9A

2.0 OUTPUT CHARACTERISTICS

2.1 DC Output Characteristics

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -12V	V5 +5Vsb
Max. Load	5A	5A	2.5A	0.1A	1.5A
Max Output power	25W	16.5W	30W	1.2W	7.5W
Over All Reg.%	+/-5%	+/-5%	+/-5%	+/-10%	+/-5%
Ripple & Noise	50mV	50mV	120mV	120mV	50mV

Note: 1: The maximum allowed ripple/noise output of the power supply is measured over a bandwidth of 0Hz to 20 MHz at the power supply output connectors. A 10uF electrolytic capacitor in parallel with a 0.1uF ceramic capacitor are placed at the point of measurement.

2.2 Efficiency

80% min. at full load.

3.0 Environmental requirement:

3.1 Temperature

Operating : 0°C to 50°C.

Shipping and Storage : -20°C to 70°C

3.2 Relative Humidity

Operating : To 85 % relative humidity

Non-Operating : To 95 % relative humidity

4.0 MTBF

100,000 hours at 25°C

5.0 MECHANICAL REQUIREMENTS

5.1 Physical Dimension

148 mm (W) × 18mm (H) × 30 mm (D)

5.2 Connectors Define

M/B 20PIN connector

18AWG wire	Signal	Pin	Pin	Signal	18AWG wire
Orange	+3.3V	11	1	+3.3V	Orange
Orange(22AWG)	+3.3Vsense	11			
Blue (18AWG)	-12VDC	12	2	+3.3V	Orange
Black	COM	13	3	COM	Black
Green(18AWG)	PS-ON	14	4	+5VDC	Red
Black	COM	15	5	COM	Black
Black	COM	16	6	+5VDC	Red
Black	COM	17	7	COM	Black
White	N/C	18	8	PWRGOOD	Grey (18AWG)
Red	+5VDC	19	9	+5Vsb	Purple
Red	+5VDC	20			
Red (22AWG)	+5Vsense	20	10	+12V	Yellow

4PIN peripheral connector (HDD)**4PIN floppy connector (FDD)**

18 AWG wire	Signal	Pin	Pin	Signal	22AWG wire
Yellow	+12V	1	1	+5VDC	Red
Black	COM	2	2	COM	Black
Black	COM	3	3	COM	Black
Red	+5VDC	4	4	+12V	Yellow

SATA connector

18AWG wire	Signal	Pin
Black	COM	4
Red	+5V	3
Black	COM	2
Yellow	+12V	1