SPECIFICATION FOR APPROVAL

DESCRIPTION：16.8V/4000mA Charger

OUR MODEL NO：SBC-168400

APPROVED SIGNATURE		
DATE:		

Charger Specifications

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1、SCOPE：SBC-168400

The purpose of the document is to specify the functional requirements of a 68W switching power supply.

2、INPUT CHARACTERISTICS：

2.1 Input Voltage:

Nominal Voltage:100-240Vac

Variation Range:90-264Vac

2.2 Input Frequency:

Nominal Frequency :50/60Hz

Variation Frequency :47-63Hz

2.3 Input Current :

1Arms max At any input voltage and rated, DC output rated load.

2.4 Inrush Current :

30Amps Max. Cold start at 240Vac input, with rated load and 25℃ambient. 2.5 Ac Leakage Current:

0. 25mA Max At 240Vac input.

3、OUTPUT CHARACTERISTICS：

3.1 Power Output;

Voltage	Min. Load	Max. Load	Peak	Output Power
+16.6-17Vdc	0A	4000mA	600A	68W

3.2 Combined Load/Line Regulation:

Voltage	Min. Voltage	Max. Voltage	Line Regulation	Load Regulation
+16.8Vdc	16.6V	17V	±2%	±5%

3.3 Ripple And Noise:

The ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

Voltage	Ripple And Noise(Max.)
+16.8Vdc	200mVp-p

3.4 Turn On Delay Time:

2 second Max. At 115Vac input and output Max. Load.

3.5 Rise Time:

40mS Max. At 115Vac input and output Max. Load.

3.6 Hold Up Time:

5mS Min. At 115Vac input and output Max. Load.

3.7 Efficiency:

80%Min.At 100Vac input and output Max. Load.

85%Min.At 240Vac input and output Max. Load.

3.8 Overshoot:

15%Max.When power supply at turn on or turn off.

4、PROTECTION REQUIREMENT:

Short Circuit Protection:

The power supply will be auto recovered when short circuit faults remove.

4.1 Over current Protection：

The power supply will be auto recovered when over current faults remove.

4.2 Over Voltage Protection

The power supply will not be auto recovered when faults remove.

5、ENVIRONMENTAL REQUIREMET:

5.1 Operating Temperature:

0℃~ -40℃, Full load Normal operation

Storage Temperature:-20℃to85℃, With package.

5.2 Relative Humidity:

5%(0℃)～90%(40℃)RH,72Hrs,Full load Normal operating.

5.3 Vibration:

1、Operating: IEC 721-3-3 3M3

5～9Hz,A=1.5mm 9～200Hz,Acceleration 5m/s^2

2、Transportation： IEC 721-3-2 2M2

5-9Hz，A=3.5mm 9～200Hz, Acceleration=5m/S^2

200～500HZ, Acceleration=15m/S^2

3、Axes,10 cycles per axis.

No permanent damage may occur during testing.

The product has to restors its original situation after power off/on.)

5.4 Dropping (Packed):

1 corner,3 edges, and 6 surfaces

Height:76cm

6、SAFETY AND EMC REQUIREMENT:

6.1Primary to secondary),3000Vac/5mA/60s.

6.2 DIELECTRIC STRENGTH (H-Pot)：

7、 (MECHANICAL REQUIREMENT)：

7.1 Enclosure:

The power supply size L: :L132*W58*H30mm

7.2 Input Connector : Two pin input plug of ce

8、Label :

White words with black background or black words with white background to be determined by the customer

Material: PVC

Endure heat above110℃

Thickness:0.2-0.3mm

3*RI±0.1mm

Angle 2.5mm