

# SPECIFICATION FOR APPROVAL

## Switching power Supply

**CUSTOMER:** \_\_\_\_\_

**DESCRIPTION:** Input:100~240V AC 50/60Hz Output: DC12V5A

**OUR MODEL NO:** \_\_\_\_\_ **BSG065- 1205000** \_\_\_\_\_

**SAMPLE NO:** \_\_\_\_\_ **DATE:** 2022.06.13

**SAMPLE COLOR:**Black  **White**

APPROVAL SIGNATURE		
APPROVED BY	CHECKED BY	TESTED BY

Manufacturer		
/SALES	APPROVED BY	DESIGNED BY

Rev. List			
Rev.	Date	Description	Design
V1.0	2022.06.13		

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# ICbanQ Inc.

Tel:82-070-7019-3947 Email:Tommy@icbanq.com

**Our model:**BSG065-1205000

**Customer:**

**Date:**2022.06.13

**SAMPLE No:**

## 1、 DESCRIPTION:

The purpose of the document is to specify the functional requirements of a 65W switching power supply.

## 2、 INPUT CHARACTERISTICS:

### 2.1 Input Voltage:

Rated Voltage:220Vac

Variation Range:90-264Vac

### 2.2INPUT FREQUENCY:

Rated Frequency: 50/60Hz.

Variation Frequency:47-63Hz

### 2.3INPUT CURRENT:

0.5Amps max At any input voltage and rated, DC output rated load.

### 2.4INRUSH CURRENT:

30 Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

### 2.5 AC LEAKAGE CURRENT

0.25mA Max.At240Vac input.

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## 3、OUTPUT CHARACTERISTICS:

### 3.1 Power output

Voltage	Min. Load	Rated. Load	Peak	Output power
12Vdc	0.00A	5A	65W	65W

### 3.2 Combined Load/Line Regulation

Voltage	Min. Load	Rated. Load	Line Regulation	Voitage range
12Vdc	0.00A	5A	±3%	11.6V-12.4V

### 3.3 Ripple and Noise:

Under nominal voltage and nominal load,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.)  
+12Vdc                      120mV p-p

### 3.4 Turn on delay time:

3Second Max.at 115Vac input and output Max.load.

### 3.5 Rise time:

40 mS Max.at 115Vac input and output Max load.

### 3.6 Hold up time:

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

### 3.7 Average Effiviency

Average Effiviency 88Min, At 115/230Vac input and output 100%Load 75%Load 50%Load 25%Load Adapter meet efficiency Level VI

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## 4、PROTECTION FUNCTION:

### 4.1 Short circuit test:

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

### 4.2 Over current Protection:

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

### 4.3 Over Voltage Protection:

The power supply will auto recovered when faults remove 120%~170%.

## 5、ENVIRONMENTAL REQUIREMET:

### 5.1 Operating Temperature:

0°C to 40°C, Full load, Normal operation.

### 5.2 Storage Temperature:-20°C to 80°C

With package

### 5.3 Relative Humidity:

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

### 5.4 Vibration:

#### 1. Operating: IEC 721-3-3 3M3

5~9Hz, A=1.5mm

(9~200Hz, Acceleration 5m/S<sup>2</sup>)

#### 2. Transportation:

IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9~200Hz, Acceleration=5m/S<sup>2</sup>

200~500Hz, Acceleration=15m/S<sup>2</sup>

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### 3. Axes,10 cycles per axis.

No permanent damage may occur during testing.

The SAMPLE has to restore to its original situation after power off/on..

### 5.5 Dropping Packed:

1M for wallmount type and 760mm for desktop type as above described.

The horizontal surface consists of hardwood at least 13mm thick, mounted on two layers of plywood

each 19mm to 20mm thick,all supported on a concrete or equivalent non-resilient floor.

### 6、 SAFETY REQUIREMENT:

6.1 Safety: accord with CE/EN-(60950-1),TUV/GS-(EN60950-1),CCC-(GB4943) , PSE-(J60950-1),

6.2 DIELECTRIC STRENGTH Hi-Pot:

Primary to secondary:3750Vac10mA/3S for type test.

6.3 Insulation resistance:

Primary to secondary:10MΩ min at 500V DC.

6.4 /EMI STANDARD

Meets the Limits of

<1>.Fcc part15 class B rules

<2>.EN55022 class B rules

<3>.GB9254-1998,GB17625.1-2003

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Our model:BSG065-1205000

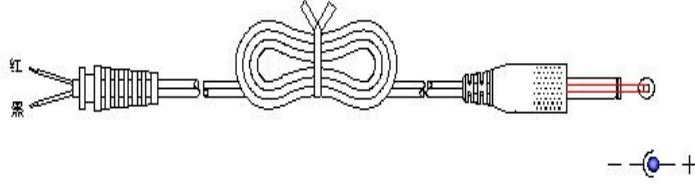
Tel:82-070-7019-3947 Email:Tommy@icbanq.com

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8、CORD:



L=1.2M 2464 22# 5.5\*2.1\*10mm 音叉 直头

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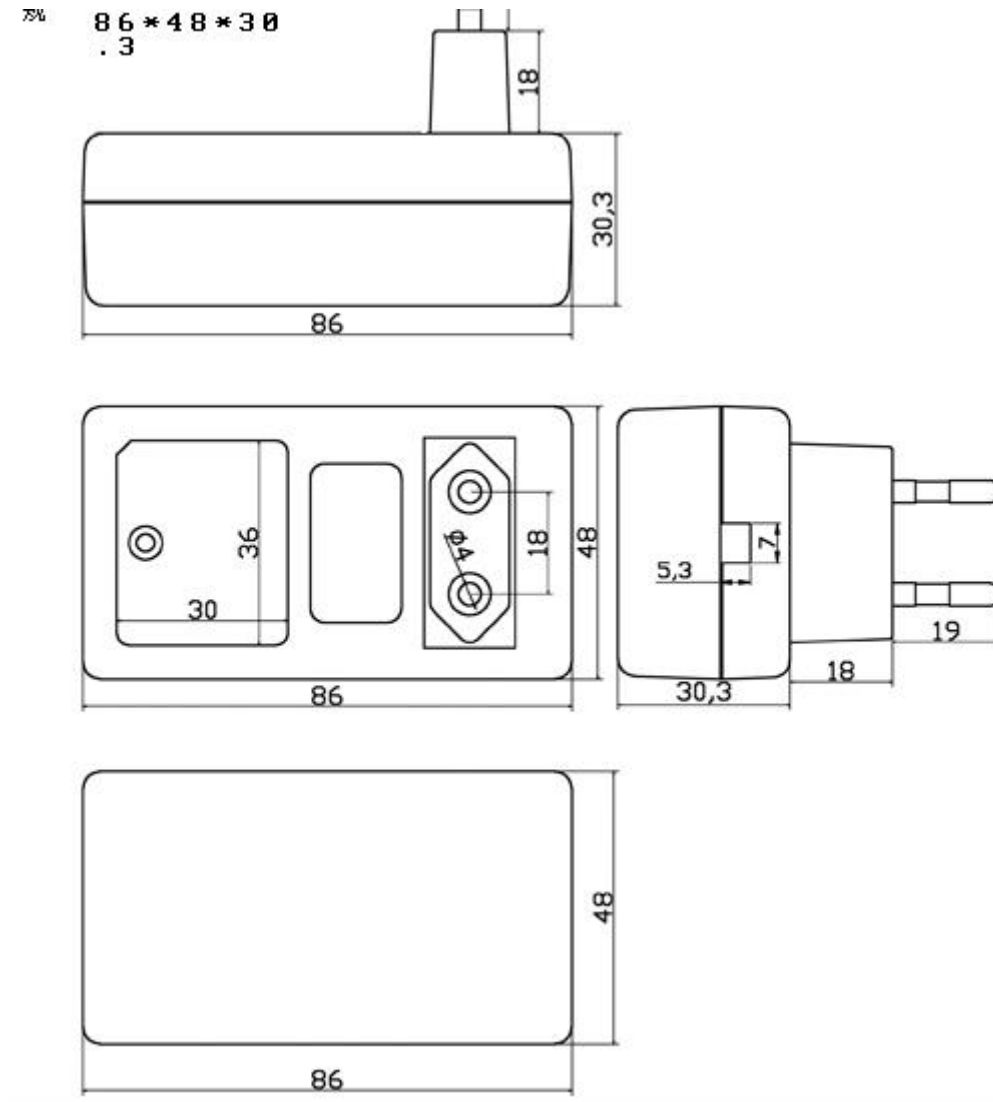
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9、SIZE:





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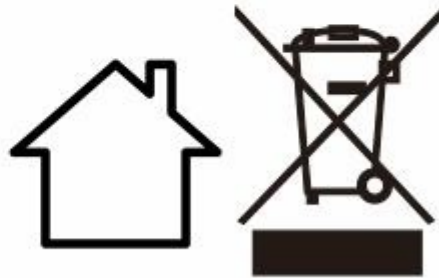
9、LABEL:

# AC/DC ADAPTER

Model:BSG065-1205000

Input:100-240V~,1.5A Max  
50/60Hz

Output: 12V  $\equiv$  5A



SHENZHEN



TECHNOLOGY CO.,LTD  
MADE IN CHINA

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Tel:82-070-7019-3947 Email:Tommy@icbanq.com

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10、 **PACKING:** 100pcs

