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  

<table>
<thead>
<tr>
<th>APPROVAL SIGNATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROVED BY</td>
</tr>
<tr>
<td>___________</td>
</tr>
</tbody>
</table>

Manufacturer

/SALES  APPROVED BY  DESIGNED BY

<p>| | | |</p>
<table>
<thead>
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</table>
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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

2.2 INPUT FREQUENCY:

Rated Frequency: 50/60Hz.

Variation Frequency: 47-63Hz

2.3 INPUT CURRENT:

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

2.4 INRUSH CURRENT:

30 Amps 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**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Min. Load</th>
<th>Rated. Load</th>
<th>Peak</th>
<th>Output power</th>
</tr>
</thead>
<tbody>
<tr>
<td>12Vdc</td>
<td>0.00A</td>
<td>5A</td>
<td>65W</td>
<td>65W</td>
</tr>
</tbody>
</table>

3.2 **Combined Load/Line Regulation**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Min. Load</th>
<th>Rated. Load</th>
<th>Line Regulation</th>
<th>Voltage range</th>
</tr>
</thead>
<tbody>
<tr>
<td>12Vdc</td>
<td>0.00A</td>
<td>5A</td>
<td>±3%</td>
<td>11.6V-12.4V</td>
</tr>
</tbody>
</table>

3.3 **Ripple and Noise:**

Under nominal voltage and nominal load, the ripple and noise are as follows when measured with Max. Bandwidth of 20MHz and Parallel 47uF/0.1uF, crossed connected at testing point.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Ripple and Noise (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>±12Vdc</td>
<td>120mV p-p</td>
</tr>
</tbody>
</table>

3.4 **Turn on delay time:**

3 Second 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 Efficiency**

Average Efficiency 88% Min. At 115/230Vac input and output 100% Load, 75% Load, 50% Load, 25% Load Adapter meet efficiency Level VI
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℃ to 40℃, Full load, Normal operation.
   5.2 Storage Temperature:
       -20℃ to 80℃
       With package
   5.3 Relative Humidity:
       5%(0℃)~90%(40℃)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/S²)
       2. Transportation:
          IEC 721-3-2 2M2
          5~9Hz, A=3.5mm
          9~200Hz, Acceleration=5m/S²
          200~500Hz, Acceleration=15m/S²
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: $3750\text{Vac}10\text{mA/3S}$ for type test.
   6.3 Insulation resistance:
      Primary to secondary: $10\Omega \text{ min at 500V DC}$.
   6.4 EMI STANDARD
      Meets the Limits of
      <1>. Fcc part15 class B rules
      <2>. EN55022 class B rules
8、CORD:

L=1.2M 2464 22# 5.5*2.1*10mm 音叉 直头
9. SIZE:

\[
\begin{align*}
86 \times 48 \times 30 \\
18 & \\
30.3 & \\
86 & \\
48 & \\
30.3 & \\
86 & \\
48 & \\
\end{align*}
\]
<table>
<thead>
<tr>
<th>Our model: BSG065-1205000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer:</td>
</tr>
<tr>
<td>Date: 2022.06.13</td>
</tr>
<tr>
<td>SAMPLE No:</td>
</tr>
</tbody>
</table>

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

9. **LABEL:**

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**AC/DC ADAPTER**

Model: BSG065-1205000

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

Output: 12V == 5A

[Diagram showing voltage symbols and manufacturer's location]
10、PACKING: 100pcs