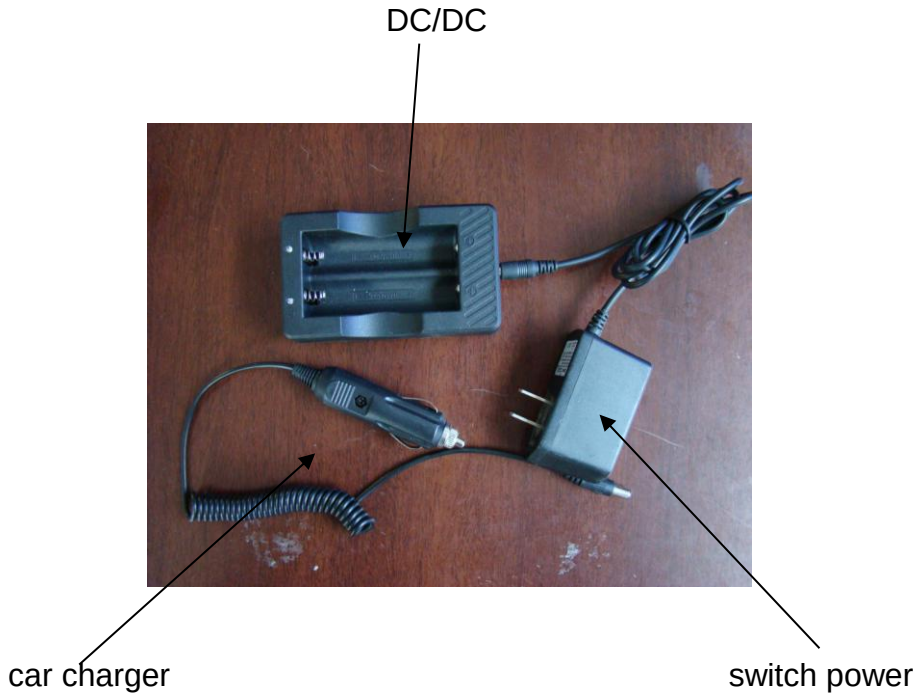
WAMA ELECTRONICS TECH CO.,LTD



1.（SCOPE）：

The purpose of the document is to specify the functional requirements of a 2.1w switching power supply Charger.

2.（INPUT CHARACTERISTICS）：

2.1（Input Voltage）：

（Nominal Voltage）：　　12-24Vdc

（Variation Range）：　　12-36Vdc

2.3(Input Current):

1.2Arms max At any input voltage and rated. DC output rated load.

OUTPUT CHARACTERISTICS:

3.1（Power Output）;

Voltage	Min.Load	Max.Load	Output Power
+4.35Vdc	0 A	500mA	2.1W

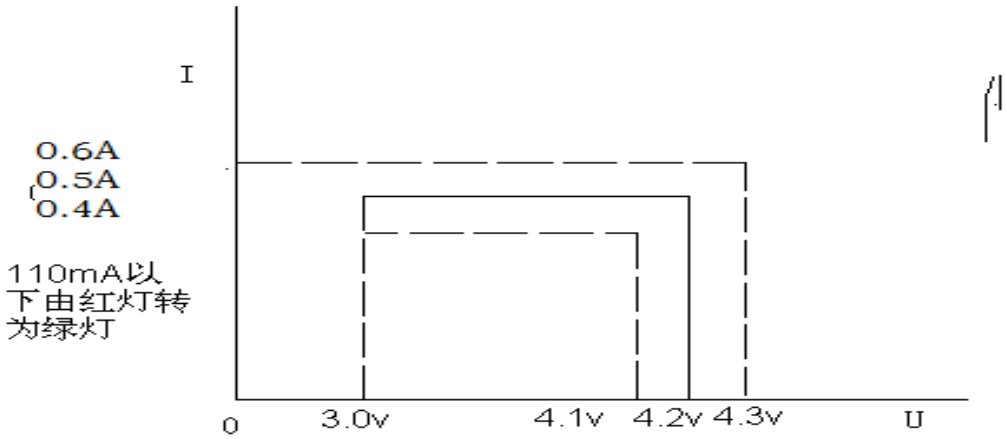
3.2（Combined Load/Line Regulation）:

Voltage	0A	500mA	±3%	±5%

3.3（Ripple And Noise）

Voltage	Ripple And Noise(Max.)
+4.35Vdc	100mVp-p

3.1(Charger curve)：



以上实线为理想充电曲线，实际充电曲线不超过虚线部分

4.1：

The power supply will be auto recovered when battery reverse faults remove

5.(ENVIRONMENTAL REQUIREMET):

5.1(Operating Temperature):

0℃-40℃，(Full load,Normal operation)。

0℃ to 40℃,Full load,Normal operation.

5.2(Storage Temperature):-20℃ to 85℃

5.3（Relative Humidity）:

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

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

1.（SCOPE）：

The purpose of the document is to specify the functional requirements of a 2.1w switching power supply Charger.

2.（INPUT CHARACTERISTICS）：

（Nominal Voltage）： 100-240Vac

（Variation Range）： 90-264Vac

2.2（Input Frequency）:

（Nominal Frequency）: 50/60Hz.

（Variation Frequency）：　　47/63Hz

2.3(Input Current):

0.2Arms 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）:

1 mA Max.At 240Vac input.

3.OUTPUT CHARACTERISTICS:

3.1（Power Output）;

Voltage	Min.Load	Max.Load	Output Power
+12Vdc	0 A	1000mA	12W

3.2（Combined Load/Line Regulation）:

Voltage	Min.Load	Max.Load	Line Regulation	Load Regulation
+12Vdc	0A	1000mA	±3%	±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.)
+12Vdc'	100mVp-p

1.（SCOPE）：

The purpose of the document is to specify the functional requirements of a 4.2w switching power supply Charger.

2.1（Input Voltage）：

12-36V

2.3(Input Current):

1A