

APPROVAL SHEET

CUSTOMER NAME : A096

CUSTOMER NO. :

DESIGN NO. : GQ652011092803

MODEL NO. : GQ65-060330-E1

STANDARD : TUV(US)/CE

REV : A0

DATE : 2011-9-28

APPROVED BY CUSTOMER

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
		EDITION	A0

Switching Power Supply Specifications

Table of contents

1. SCOPE	4
2. INPUT CHARACTERISTICS	4
3. OUTPUT CHARACTERISTICS	4-5
4. PROTECTION REQUIREMENT	5-6
5. ENVIRONMENTAL REQUIREMET	6-7
6. SAFETY AND EMC REQUIREMEN	7
7. CIRCUIT DESCRIPTION	7
8. MECHANICAL REQUIREMENT	8
9. NAME LATE	9
10. PACKGE	10
11. ELECTRICAL TEST REPORT	11

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
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1. SCOPE:

This document describes the switching Adapter's electrical, mechanical, environmental, RoHS, safe certificate, and so on.

2. INPUT CHARACTERISTICS:

2.1 Input Voltage and Frequency:

Rated Voltage	Variation Range	Rated Frequency	Variation Frequency
100-240Vac	90-264Vac	50/60Hz	47-63Hz

2.2 Input Current:

AC current 2.0A max At input rated voltage with output full load.

2.3 Inrush Current:

In rated load, 25°C ambient temperature, Cold-state starting at 240Vac input, Inrush Current 60 Amps Max.

3. OUTPUT CHARACTERISTICS:

3.1 Power Output:

Voltage	Min. Load	Max. Load	Output Power
6.0Vdc	0A	3.3A	19.8W

3.2 Load character / Line Regulation:

Load	Min. Load	Max. Load
Current	0A	3.3A
Voltage	6.0Vdc $\pm$ 6%	6.0Vdc $\pm$ 6%

3.3 No load Standby Power:

0.3W Max

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
		EDITION	A0

3.4 Ripple And Noise:

Under Rated 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.)
6.0Vdc	300mVp-p

3.5 Turn On Delay Time:

Turn on time 3 second Max. At Rated Voltage input and output Max. Load.

3.6 Rise Time:

100mS Max. At Rated Voltage input and output Max. Load.

3.7 Hold Up Time:

10mS Min. At Rated Voltage input and output Max. Load.

3.8 Efficiency:

When input voltage 115/230VAC, the average efficiency of (25%. 50%. 75%. 100%) current at load shall be 76.87% Min. Meet CEC level IV.

3.9 Overshoot:

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

4. PROTECTION REQUIREMENT:

4.1 Short Circuit Protection:

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

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
	DongGuan GangQi Electronic Co., Ltd	EDITION	A0

4.2 Over current Protection:

In the input voltage 115/230Vac, over-current protection points

9A Max.

5. ENVIRONMENTAL REQUIREMET:

5.1 Operatung Temperature:

0°C to 35°C, Full load, Normal operation.

5.2 Storage Temperature:

-10°C to 70°C With Case

5.3 Relative Humidity:

5%(0°C)~90%(35°C)RH, 72Hrs, Full load, Normal operating.

5.4 Vibration:

5.4.1

Operating: IEC 721-3-3 3M3

5-9Hz, A=1.5mm

(9~200Hz, Acceleration 5m/s²)

5.4.2Transportation:

IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9~200Hz, Acceleration=5m/S²

200~500Hz, Acceleration=15m/S²

5.4.3 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.

5.5 Dropping(Packed):

Height:1m (Each side dropping once, total 6 side.)

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
		EDITION	A0

5.6 RELIABILITY:

According to the standard of MIL-STD-HDBK-217, when ambient temperature at 25℃, in full load,the life will more than 20,000 hours.

6. SAFETY AND EMC REQUIREMEN

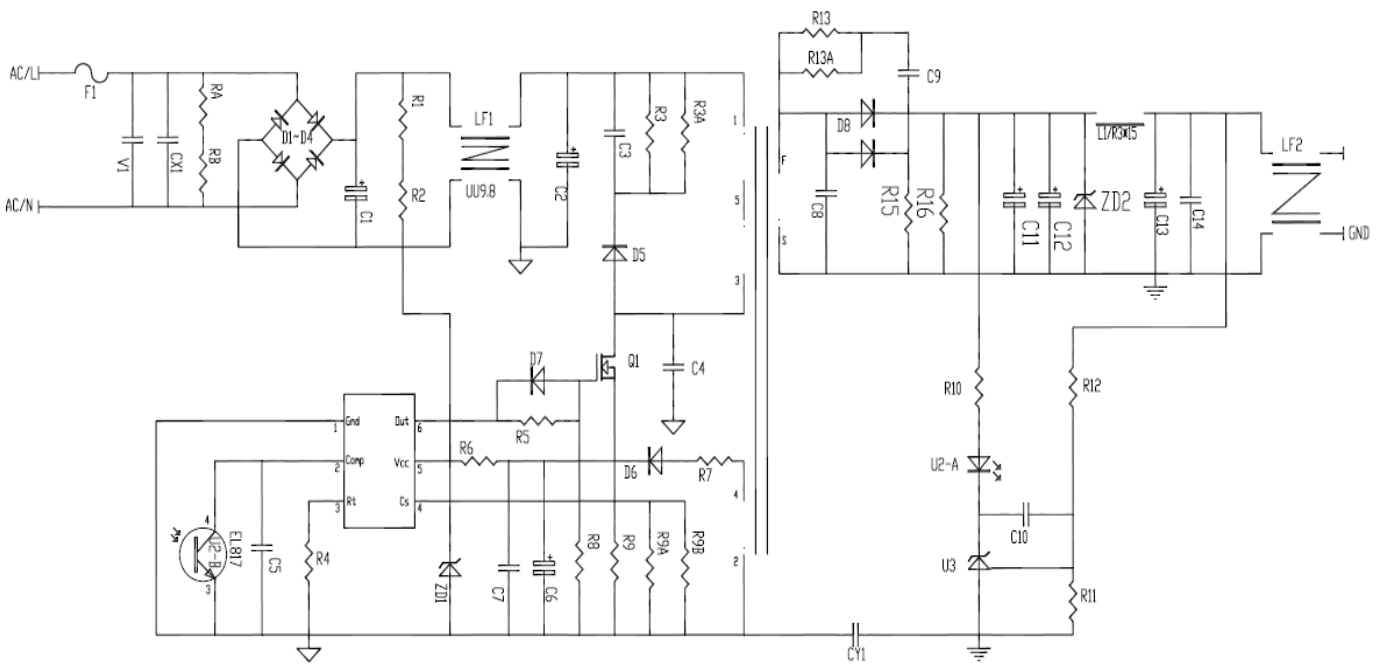
6.1 Safety:

Certified	Standard
CE	EN55022/EN55024
TUV (US)	US 60950

6.2 DIELECTRIC STRENGTH) (Hi-Pot:

Primary to secondary,1500Vac/10mA/60s.

7. CIRCUIT DESCRIPTION:

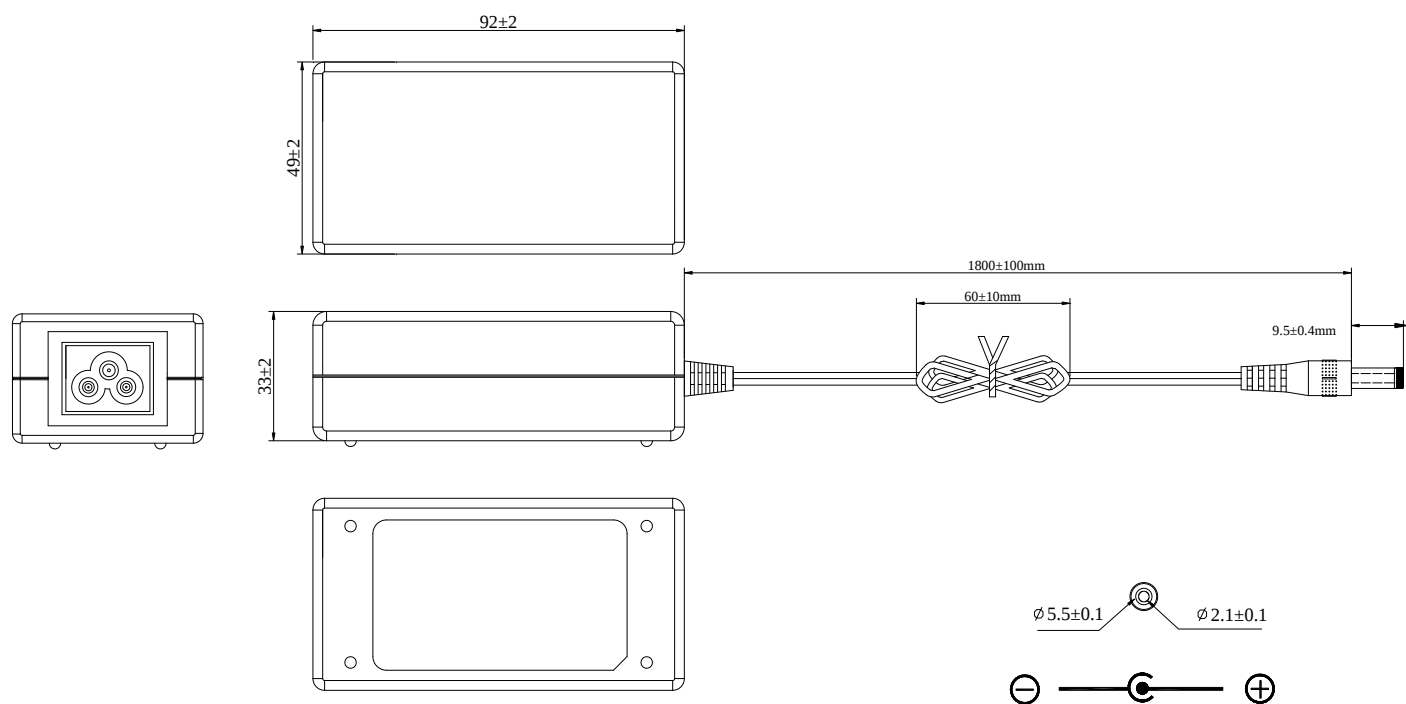


CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
		EDITION	A0

8. MECHANICAL REQUIREMENT:

8.1 Enclosure: PC+ABS ; BLACK (LEAD FREE)

The power supply size: L:92*W:49*H:33mm

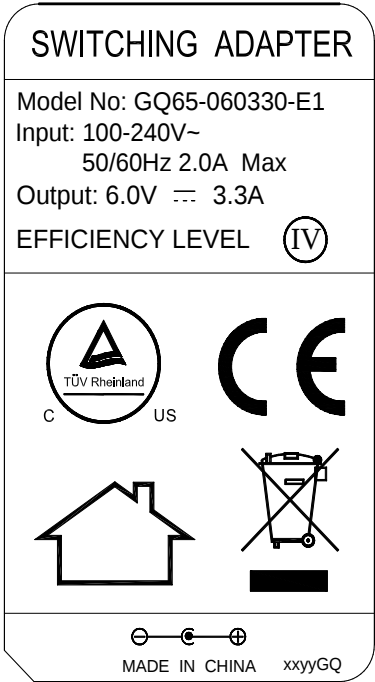


8.2. DC CABLE SPEC:

UL2468 18AWG 1.8M (BLACK) . DC PLUG: $\varnothing 5.5 \times 2.1 \times 9.5 / 180^\circ$

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1
		EDITION	A0

9. NAME LABEL:



Note: MATERIAL:

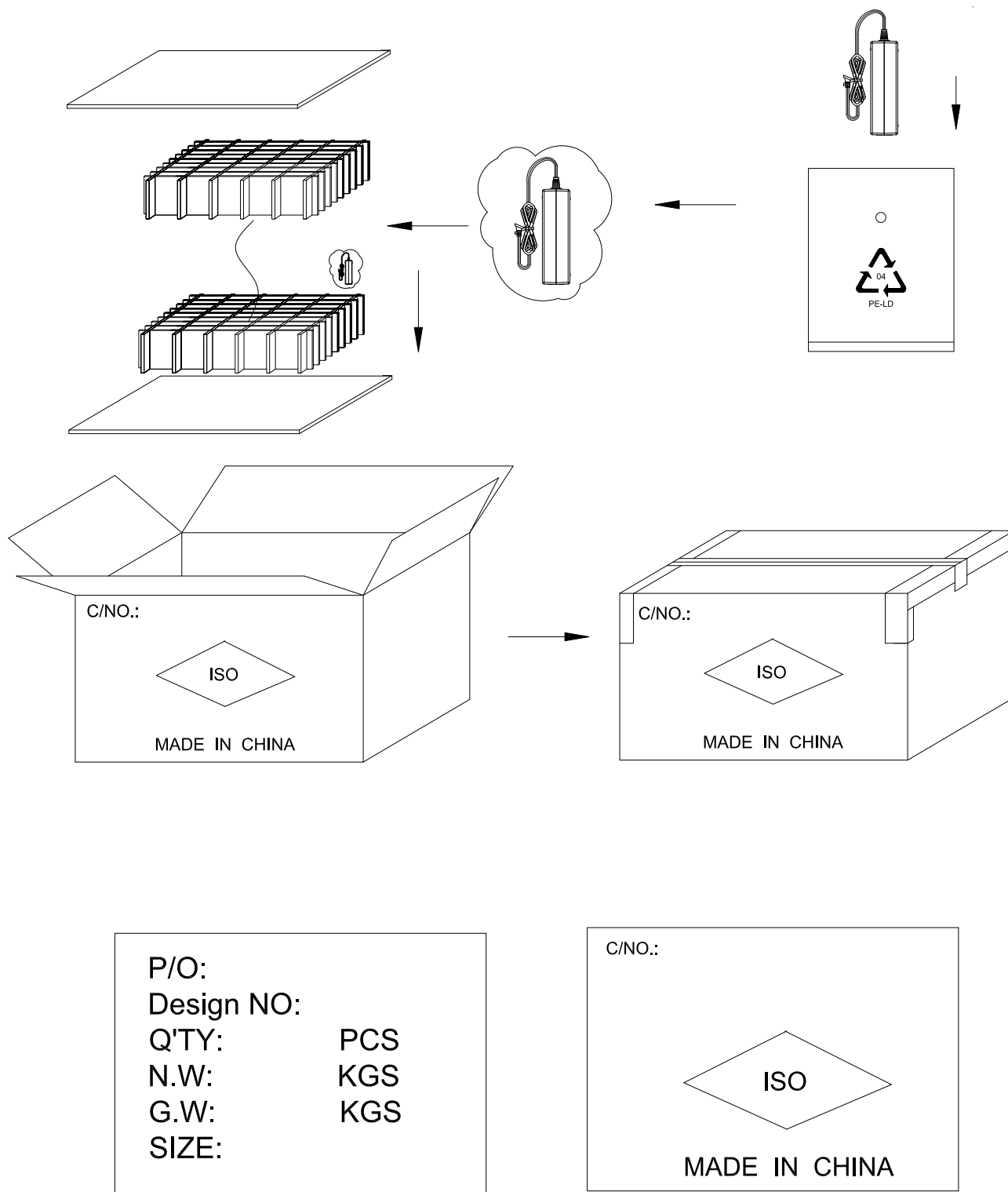
SILVER characters BLACK background

Thickness: 0.13mmT

ROHS

CUSTOMER	A096	MODEL NO.	GQ65-060330-E1	
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10. PACKAGE:



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11. TEST REPORT:

Sample checkout Record