

APPROVAL SHEET

CUSTOMER NAME (客戶名稱):	Jameco
CUSTOMER NO. (客戶料號):	
DESIGN NO. (工程编号):	GQ652012010206
MODEL NO. (型 號):	GQ65-120100-E1
STANDARD (安規標準):	TUV(US)/CE
REV (版 本):	A0
DATE (日 期):	1/16/2012

APPROVED BY CUSTOMER

客户 CUSTOMER	Jameco	型号 MODEL NO.	GQ65-120100-E1	
承制 MANUFACTURE			版本 EDITION	A0

Revise record

Date	Content	Revision	Person
1/16/2012		A0	

APPROVE BY	CHECK BY	PREPARED BY
		杨 维

CUSTOMER MANUFACTURE	Jameco	MODEL NO.	GQ65-120100-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	Jameco	型号 MODEL NO.	GQ65-120100-E1
MANUFACTURE			EDITION A0

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 30 Amps Max.

3. OUTPUT CHARACTERISTICS:

3.1 Power Output:

Voltage	Min. Load	Max. Load	Output Power
12Vdc	0A	1A	12W

3.2 Load character / Line Regulation:

Load	Min. Load	Max. Load
Current	0A	1A
Voltage	12Vdc $\pm$ 5%	12Vdc $\pm$ 5%

3.3 No load Standby Power:

0.3W Max

CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE		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.)
12Vdc	150mVp-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 77.85% Min. Meet CEC level V.

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	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE		EDITION	A0

4.2 Over current Protection:

In the input voltage 115/230Vac, over-current protection points
2.0A Min.

5. ENVIRONMENTAL REQUIREMET:

5.1 Operating 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)

5.4.2 Transportation:

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):

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

CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE		EDITION	A0

5.6 ABILITY:

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

6. SAFETY AND EMC REQUIREMEN

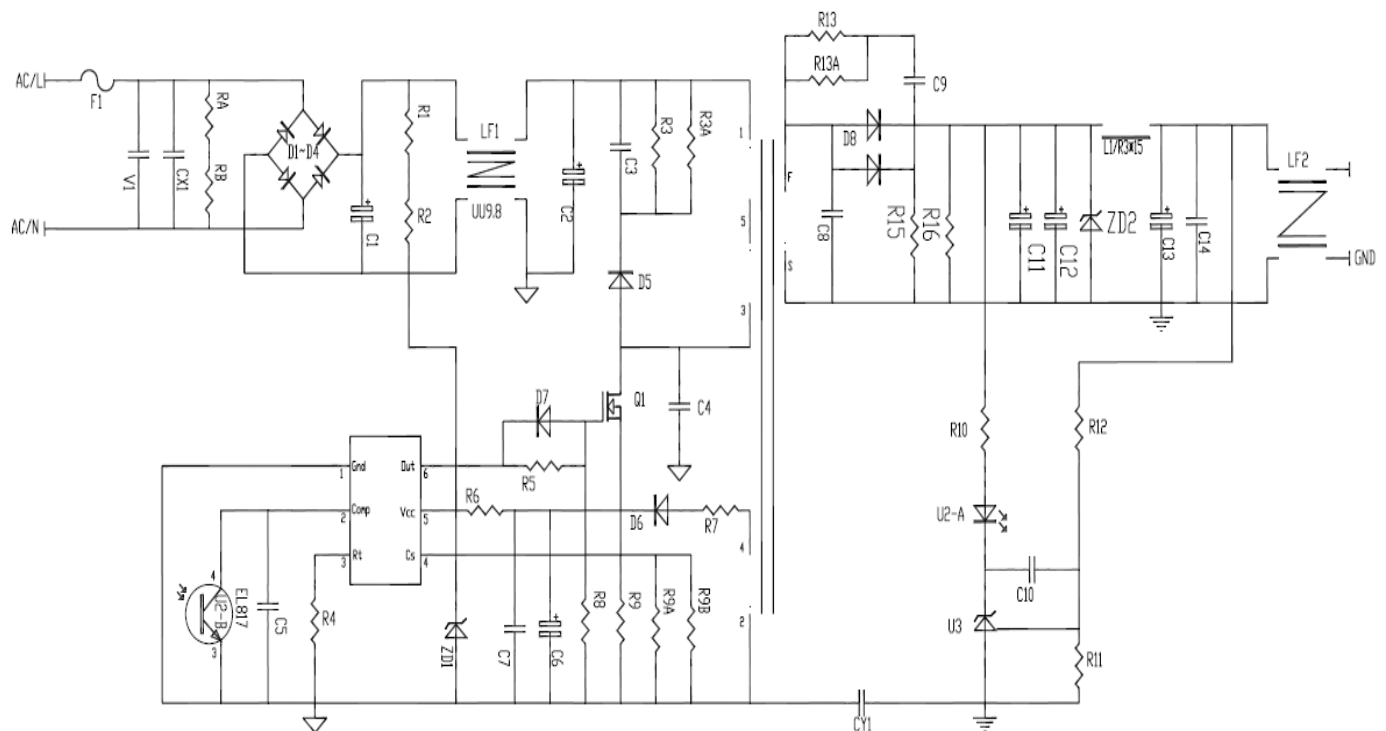
6.1 Safety:

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

6.2 DIELECTRIC STRENGTH(Hi-Pot):

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

7. CIRCUIT DESCRIPTION:

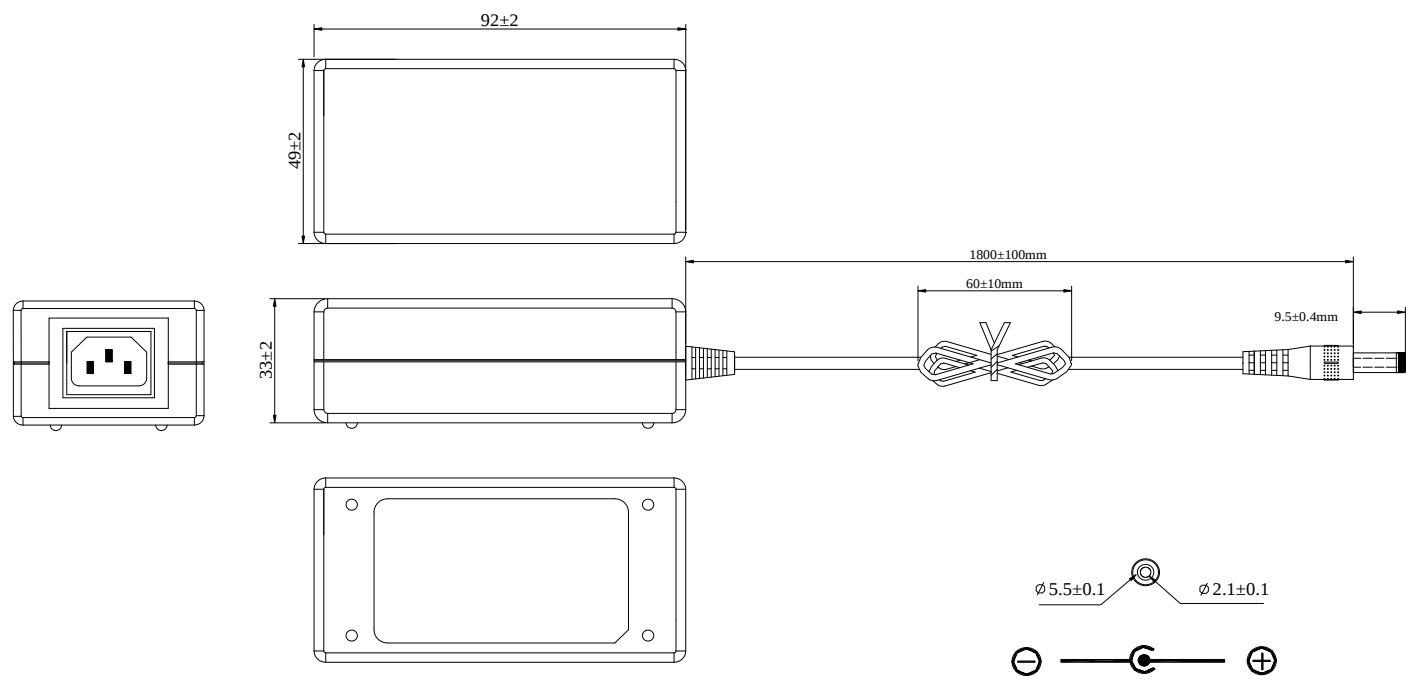


CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE		EDITION	A0

8. MECHANICAL REQUIREMENT:

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

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

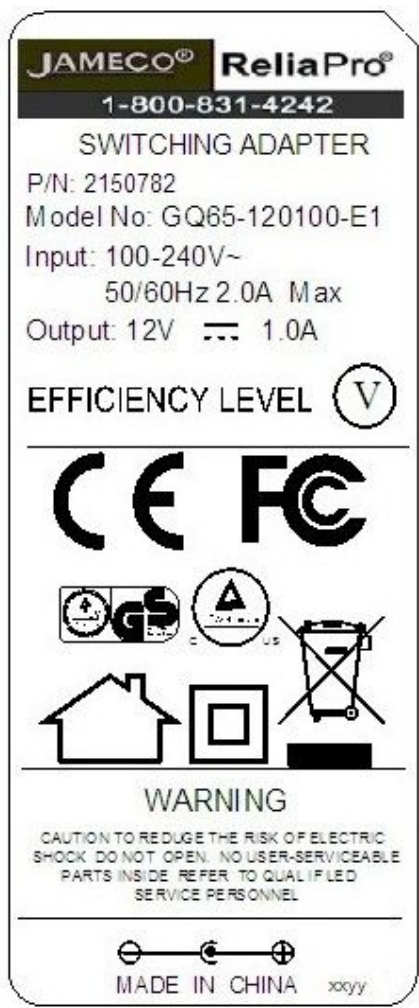


8.2. DC CABLE SPEC:

UL1185 22AWG 1.8M (BLACK) .DC PLUG: $\varnothing 5.5 \times 2.1 \times 9.5 / 180^\circ$

CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1	
MANUFACTURE			EDITION	A0

9. NAME LABEL:



Note: MATERIAL:

SILVER characters BLACK background

Thickness: 0.13mmT

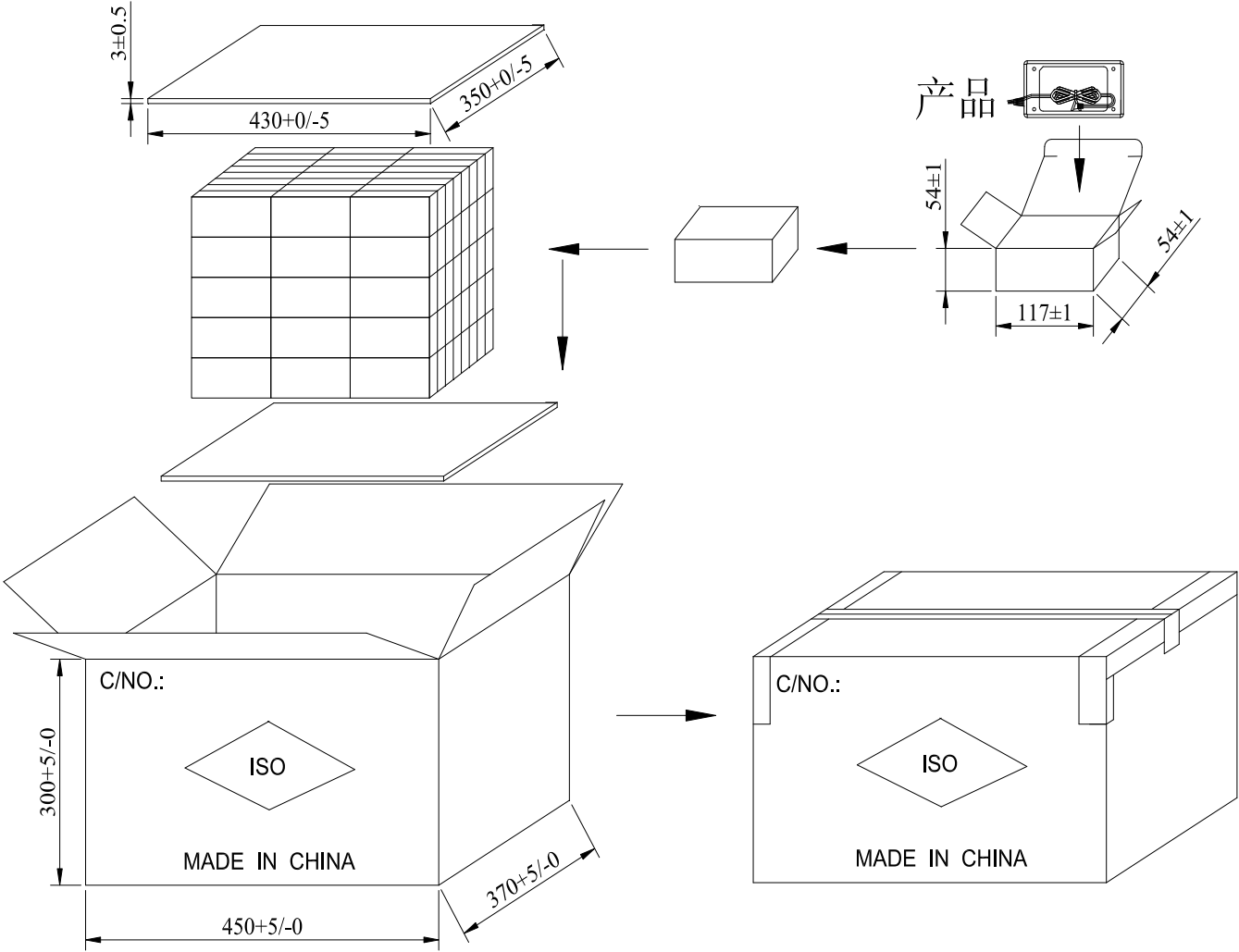
ROHS

CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE			EDITION
			A0

10. PACKAGE:

B=B; C=C; 450g

3*8*5 layes,total=120PCS



P/O:
Design NO:
Q'TY: PCS
N.W: KGS
G.W: KGS
SIZE:450*370*300mm

C/NO.:
ISO
MADE IN CHINA

CUSTOMER	Jameco	MODEL NO.	GQ65-120100-E1
MANUFACTURE		EDITION	A0

11. TEST REPORT:

Sample checkout Record