

SPECIFICATION FOR APPROVAL

CUSTOMER: IDEAL

CUSTOMER P/N: 5206-30S12-V-3A

SERIES MODEL NO.: SA06-30S12R-V

PART NO.: SA06-30S12-V-3A

REV.:

DESCRIPTION: **Switching Adapter Desk Top (L3P)**
100-240Vac±10%,+12V/2.5A(RoHS)

ISSUED DATE: November 10, 2011

PUBLICATION	CONFIRMATION

PART NO.: SA06-30S12-V
CUSTOMER P/N:
DESCRIPTION: SWITCHING ADAPTER +12V/2.5A
ISSUED DATE: March 27, 2009
REVISION NO.: Original

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00	Initial Released	2009/3/27
REV	DESCRIPTION	DATE

APP. BY	CHK. BY	PRE. BY
Kenny 2009/3/27	Kenny 2009/3/27	Stone 2009/3/27

RD-SPEC/SA06-30S12-V(EPS 2.0)-R00

1.0 INPUT REQUIREMENTS

- 1.1 AC VOLTAGE:
90Vac TO 265Vac INPUT
- 1.2 FREQUENCY:
47HZ TO 63HZ
- 1.3 AC CURRENT:
1.0A MAX.
- 1.4 INRUSH CURRENT:
60A MAX. AT 230Vac, FULL LOAD, COLD START, 25°C.

2.0 OUTPUT REQUIREMENTS

- 2.1 OUTPUT REGULATION, RIPPLE AND NOISE, CURRENT:

OUTPUT VOLTAGE	OUTPUT TOLERANCE	RIPPLE & NOISE	LOAD	
			MIN	MAX
+ 12Vdc	+11.4V~+12.6V	(*)120mVp-p	0.0A	2.5A

NOTE: (*) MEASURING IS DONE BY 20MHZ BANDWIDTH LIMITED OSCILLOSCOPE
AND TERMINATED EACH OUTPUT WITH A 0.1uF AND 10uF CAPACITORS

- 2.2 OVERSHOOT:
OVERSHOOT SHOULD NOT EXCEED 10% OVER NOMINAL VOLTAGE.
- 2.3 RISE TIME:
50mS MAX.
- 2.4 HOLD-UP TIME:
10mS MIN. AT 115Vac AND FULL LOAD

3.0 EFFICIENCY

THE UNIT SHOULD PROVIDE DC CONVERSION EFFICIENCY MINIMUM 80% AT FULL
LOAD, 115Vac INPUT.

4.0 PROTECTION REQUIREMENTS

4.1 OVER VOLTAGE PROTECTION:

19.2V MAX.

4.2 SHORT CIRCUIT PROTECTION:

THE UNIT SHOULD BE AUTO-RECOVER IN CASE ANY SHORT-CIRCUIT SHOULD OCCUR AT ANY DC OUTPUT.

5.0 ENVIRONMENTAL

5.1 OPERATING:

TEMPERATURE: 0 TO 40°C.

RELATIVE HUMIDITY: 20% TO 80% RH.

5.2 STORAGE:

TEMPERATURE: -20 TO 85°C.

RELATIVE HUMIDITY: 0% TO 90% RH.

6.0 EMI REQUIREMENT

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS.

FCC CLASS B

CNS 13438 CLASS B

CISPR CLASS B

7.0 SAFETY REQUIREMENTS

7.1 SAFETY REGULATION:

THE SWITCHER DESIGNED TO MEET BELOW STANDARDS.

UL 1950, CUL, TUV EN60950.

7.2 OTHERS REGULATION:

MEET CALIFORNIA ENERGY COMMISSION APPLIANCE EFFICIENCY REGULATIONS:

30W: NO-LOAD MODE INPUT <0.3W, ACTIVE MODE EFFICIENCY >83.5%

7.3 DIELECTRIC STRENGTH:

INPUT AND OUTPUT: 1800Vac(10mA) @ 3 SECOND

INPUT AND FG: 1800Vac(10mA) @ 3 SECOND

8.0 RELIABILITY

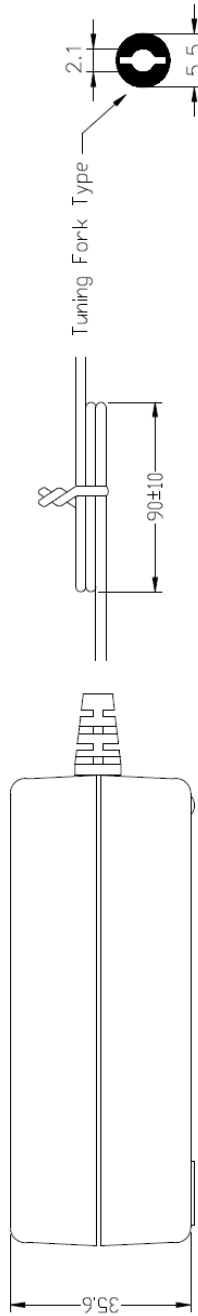
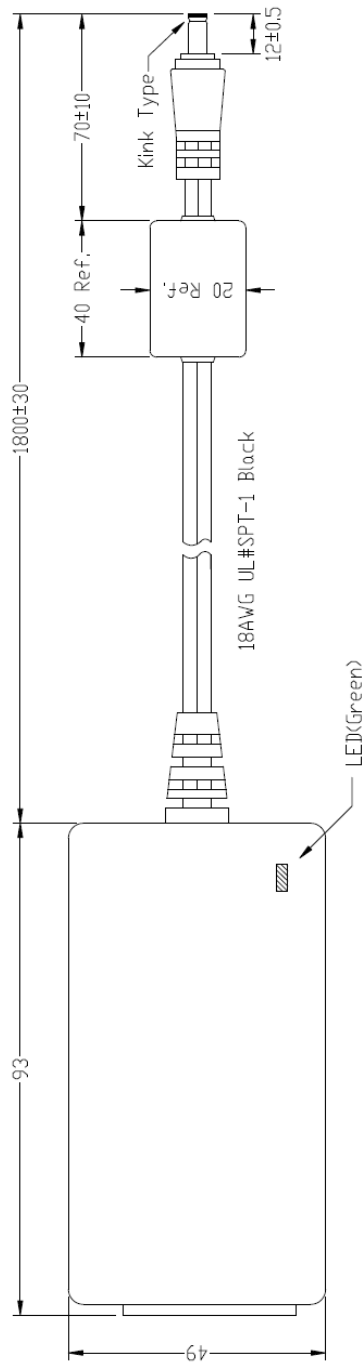
8.1 MTBF: 40000 HOURS.

8.2 B-TEST:

VIBRATION, SHOCK, ALTITUDE, STATIC COMPRESSION, DROP... ETC. PLEASE
REFER TO B-TEST PROCEDURE.

9.0 DIMENSIONS

SEE ASSEMBLY DRAWING.



Label 2:

XXXXXXXXXXXX
MADE IN CHINA FV

*China Factory: "MADE IN CHINA FV"

*Taiwan Factory: "MADE IN TAIWAN"

*S/N: RXX XXXX XXXX

Serial No.

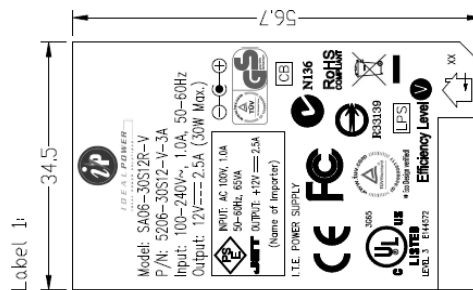
Date Code

Revision No.

Unit: mm.

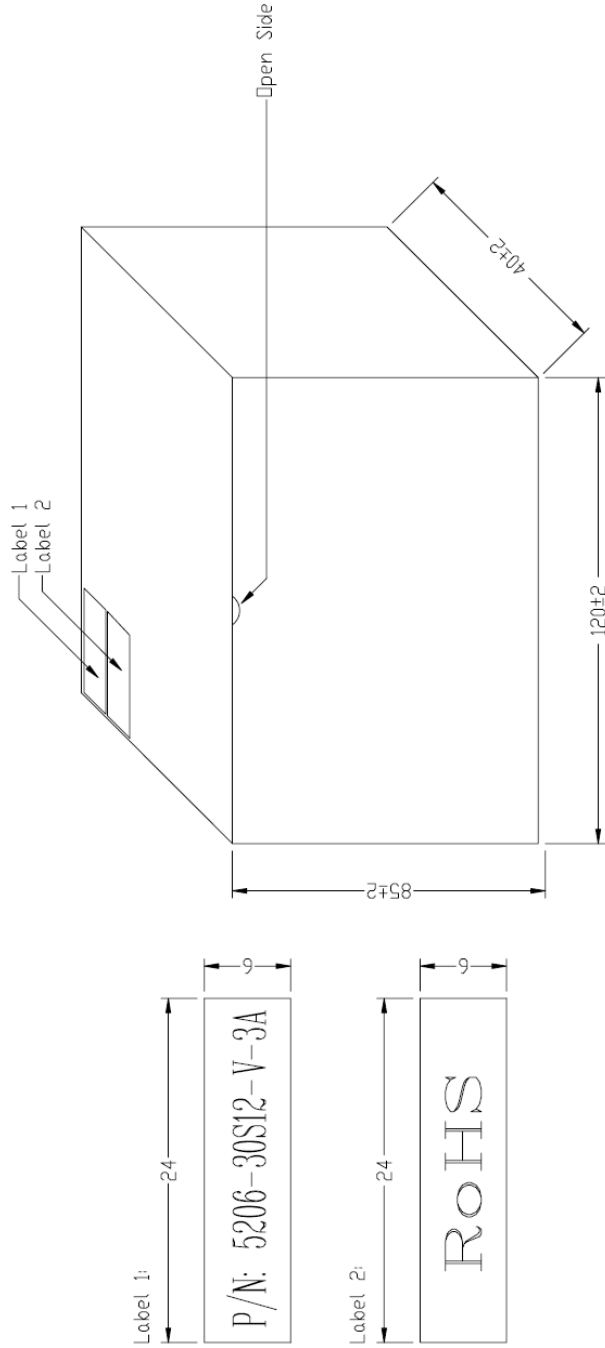
COMMON TOLERANCE	
0 - 5	±0.4
5 - 10	±0.6
10 - 50	±0.8
50 - 100	±1.0
100 -	±1.0%

SA06-30S12-V-3A(IDEAL)
PART NO.
Outline/SA06-30S12-V-3A(IDEAL)
DRAW NO.



XX: Label Manufacturer Code

02	Label 1 Del level 4 logo	2011/11/7	Amy	Kenny	Kenny	Amy	Outline Drawing	SA06-30S12-V-3A(IDEAL)
01	Label 1 Add Level 5 and ErP Logo	2011/2/23	Kenny	2011/11/7	2011/11/7	2011/11/7		PART NO.
00	Initial Released	2009/7/7	Hero	2011/11/7	2011/11/7	2011/11/7		Outline/SA06-30S12-V-3A(IDEAL)
REV.	DESCRIPTION	DATE	SIGN	APP.	BY	CHK.	BY	DRAW NO.



Box P/N: 12-0015
Material: A卡 400磅(0.53t) White

unit: mm.

COMMON TOLERANCE			
0 - 5	±0.4		
5 - 10	±0.6		
10 - 50	±0.8		
50 - 100	±1.0		
100 -	±1.0%		
SA06-30S12-V-3A(IDEAL)			
PART NO.			
Packing/SA06-30S12-V-3A(IDEAL)			
DRAW NO.			
Packing Drawing		PART NAME	
Hero		Kenny	
2009/7/7		2009/7/7	
SIGN		APP. BY CHK. BY DRW. BY	
2009/7/7		2009/7/7	
DATE		DATE	
Initial Released		Initial Released	
00		00	
REV.		REV.	