

SPECIFICATION

CEC V Desktop Adapter Universal AC Input 20W 5VDC Output

P/N: A050040HK1

*** Specification Approval ***

This specification (total 5 pages including cover page) in its entirety is approved by:

Company Name

Print Name

Signature

Date

Specification subject to change without prior notice.



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1.0 INTRODUCTION

This document specifies a switching power supply with a output of +5V, and electronic process. The switching power supply will provide power for technology equipments including electrical business equipment. The adaptor meets the requirements of lead free and RoHS.

2.0 INPUT REQUIREMENTS

- 2.1 Input Voltage Range: 90VAC to 264VAC
- 2.2 Input Frequency Range: 47Hz to 63Hz
- 2.3 Input Power Consumption at no-load : 0.3W Max.
- 2.4 Input In-rush Current: 50A Max.
- 2.5 Input Current: 0.8A Max.

3.0 OUTPUT REQUIREMENTS

- 3.1 Output Voltage: +5V
- 3.2 Output Regulation: 4.65-5.35V
- 3.3 Output Load Range: 4.0A
- 3.4 Output Ripple & Noise: 120mV Max. @ 20MHz bandwidth with 10UF/50V capacitance and 104/50V ceramic capacitor.

4.0 EFFICIENCY: $\geq 78.57\%$ @ average of 25/50/75/100% loads 115V&230VAC input

5.0 LINE REGULATION: 2% Max.

6.0 HOLD UP TIME: 10ms Min. at 110VAC full load.

7.0 TURN ON TIME: 2S Max. at 110VAC full load.

8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

- 9.1 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to secondary.
- 9.2 Finished product withstands AC 3.0KV, for 2 second, 4mA Max primary to case.
- 9.3 Finished product withstands AC 1.25KV, for 2 second, 4mA Max primary to GND.

10.0 INSULATION RESISTANCE

Primary to secondary: 50M OHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 Amps inner current fuse to protect itself.

11.2 Output Current Protection:

Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.

11.3 Short Circuit Protection: Auto Recovery.

12.0 ENVIRONMENTAL CONDITIONS

The switching power supply can withstand the following environmental conditions:

12.1 Storage Temperature: -20°C ~ 70°C

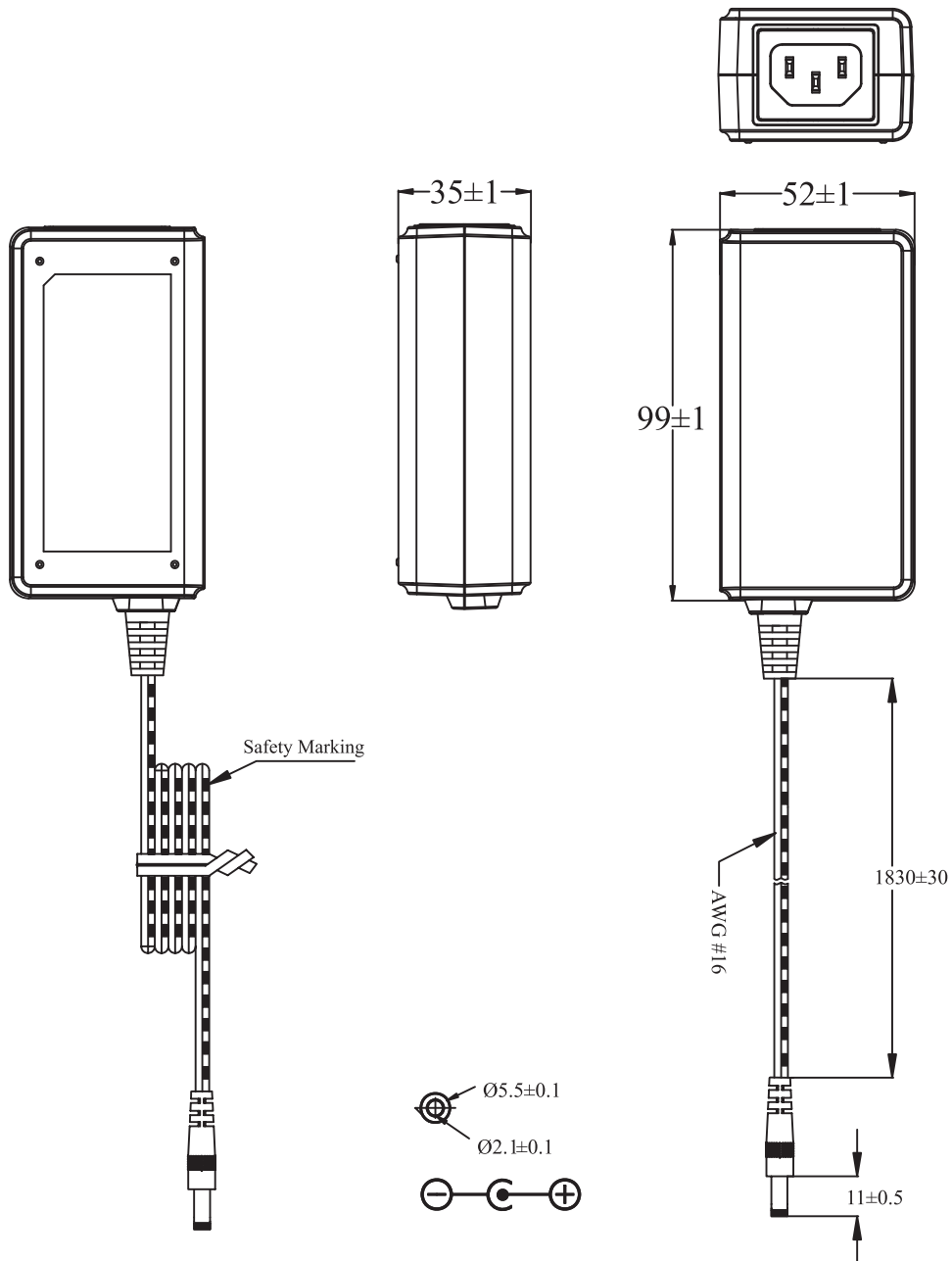
Relative Humidity: 10% ~ 95%

12.2 Operation Temperature: 0°C ~ 40°C

Relative Humidity: 10% ~ 95%

13. MECHANICAL DRAWING

UNIT: mm



14. LABEL

UNIT: mm

