

SPECIFICATION

Switching Wallmount Adapter Interchangeable AC Plug

**Universal AC Input
20W 5.0VDC 4.0A Output**

P/N: W050040GPX

****Specification Approval****

This specification (total 11 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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1. Input:

1.1 Input voltage rating:	100-240VAC
1.2 Input voltage range:	90-264VAC
1.3 Input frequency rating:	60/50Hz
1.4 Input frequency range:	63/47Hz
1.5 AC input current:	0.75A Max. @ 100V AC
1.6 AC input power saving:	0.3W Max. @ 230V AC at no load
1.7 Inrush current:	30A Max. @ 100VAC cold start 60A Max. @ 230VAC cold start
1.8 Leakage current:	0.25mA Max.

2. Output characteristics

2.1 Output voltage:	5V
2.2 Max. load current:	4A
2.3 Min. load current:	0A
2.4 Output no-load voltage:	5V±5%
2.5 Output load voltage:	5V±5%
2.6 Output ripple & noise:	240mV max.

Measured by using a 12inch twisted pair terminated with a 10uF capacitor and 0.1UF ceramic in parallel.

3. General characteristics

3.1 Total output power:	20W
3.2 Efficiency measurement :	78% min. @ full load & input 230VAC, output full load.
For production testing:	78% min. @ full load & input 115VAC, output full load.
Efficiency:	78.57%(Min.) at 115Vac 60Hz and 230Vac 50Hz input, and 25%, 50%,75%, 100% of full load after 20minutes warm-up. i.e. meet CEC level V and Erp 2.
3.3 Short circuit protection:	No damage when output is shorted to GND. After short circuit condition removed, unit to auto restart.
3.4 Overshoot / Undershoot:	5V±10%

4. Environment:

- 4.1 Operating temperature: 0°C ~ 40°C
- 4.2 Storage temperature: -25°C to 85°C
- 4.3 Operating humidity: 8% to 90%
- 4.4 Storage humidity: 5% to 95%

5. Applicable Standards

UL 60950

6. EMI Standards

UL FCC Part 15 Class B : 2008

7. Hi-Pot Test

- 7.1 Primary to secondary: 4525VDC for 3sec. 5mA (production testing)
4242VDC for 1min. 5mA (Sample testing)
- 7.2 Primary to case: 4525VDC for 3sec 5mA (Production test)
(only for metal case)

8. Insulation resistance

- 8.1 Input to output: >10Mohm.@500VDC

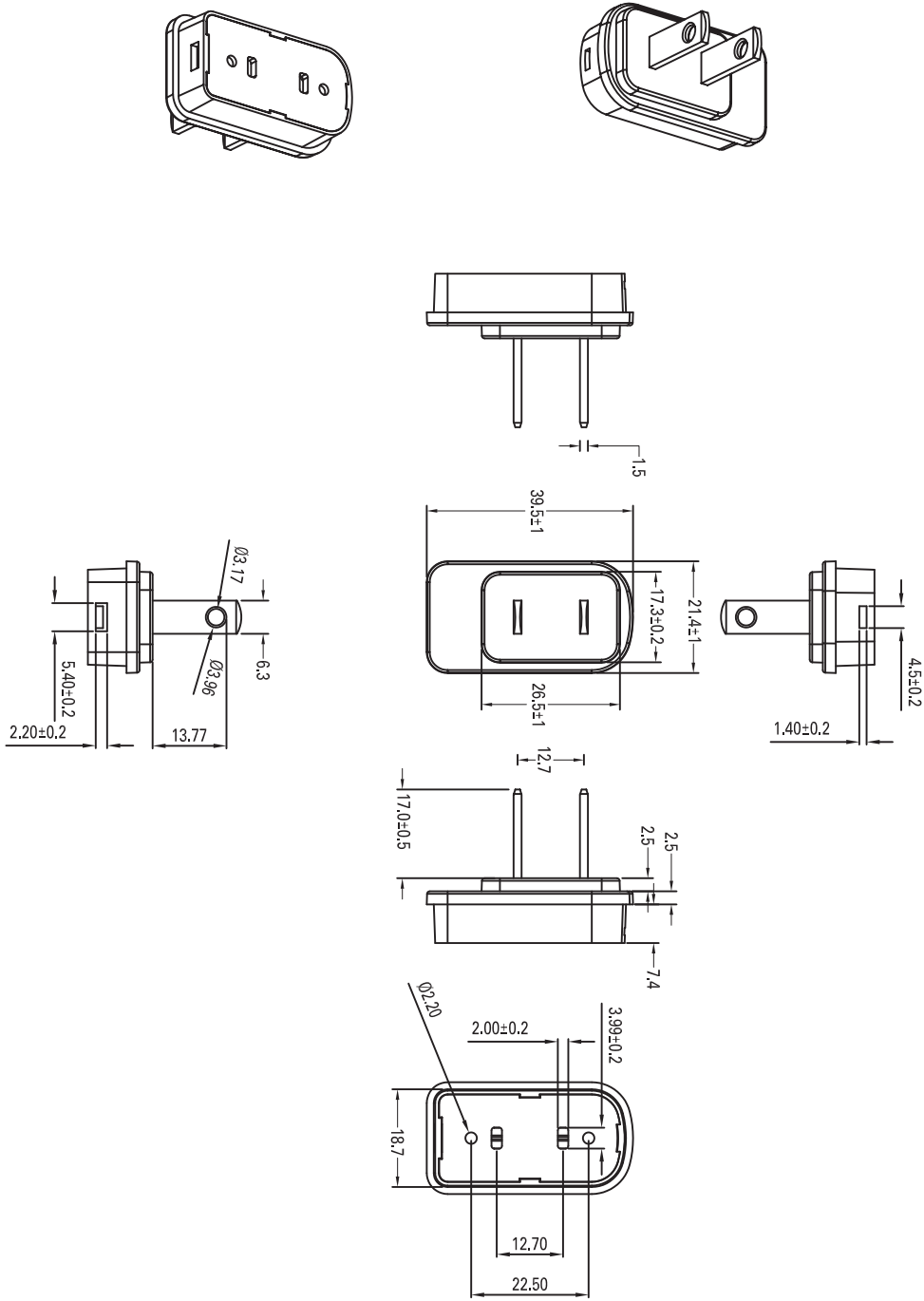
9. Reliability:

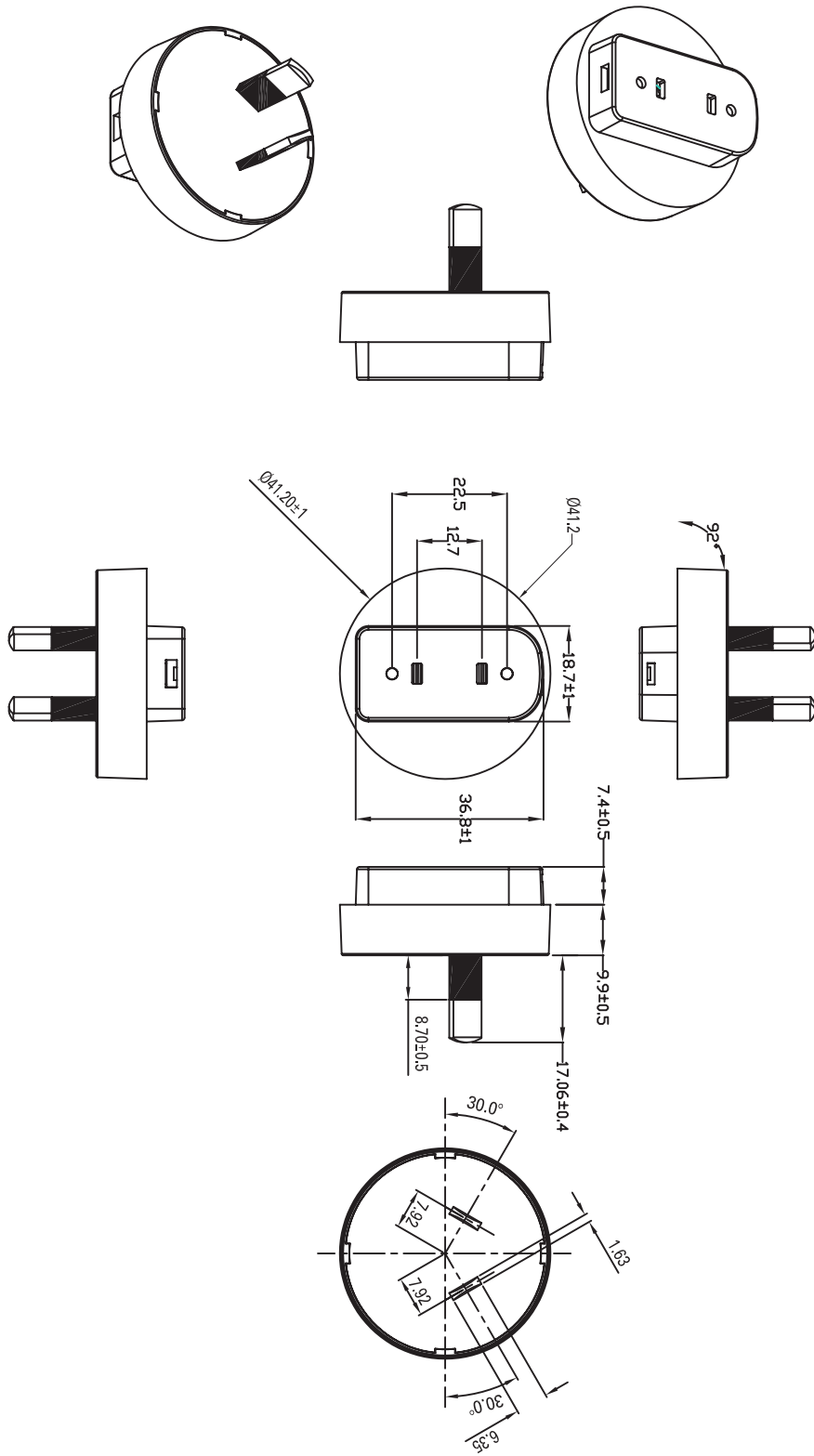
- 9.1 Burn-in: 2hrs, 40+/-5°C 240VAC, on/off cycling full load nominal line
- 9.2 Altitude: Will operate properly at altitude between 0 to 10000ft.

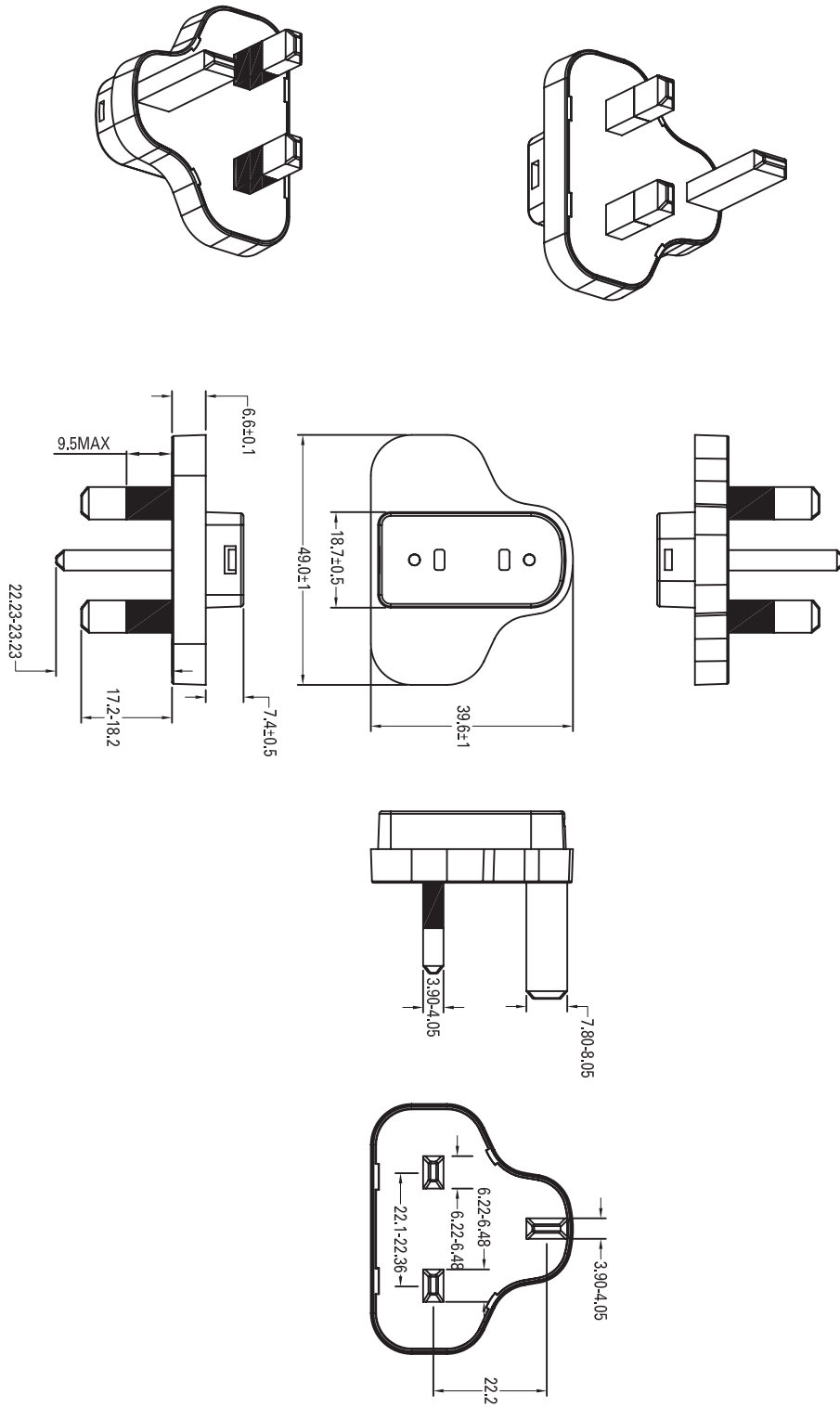
10. Mechanical

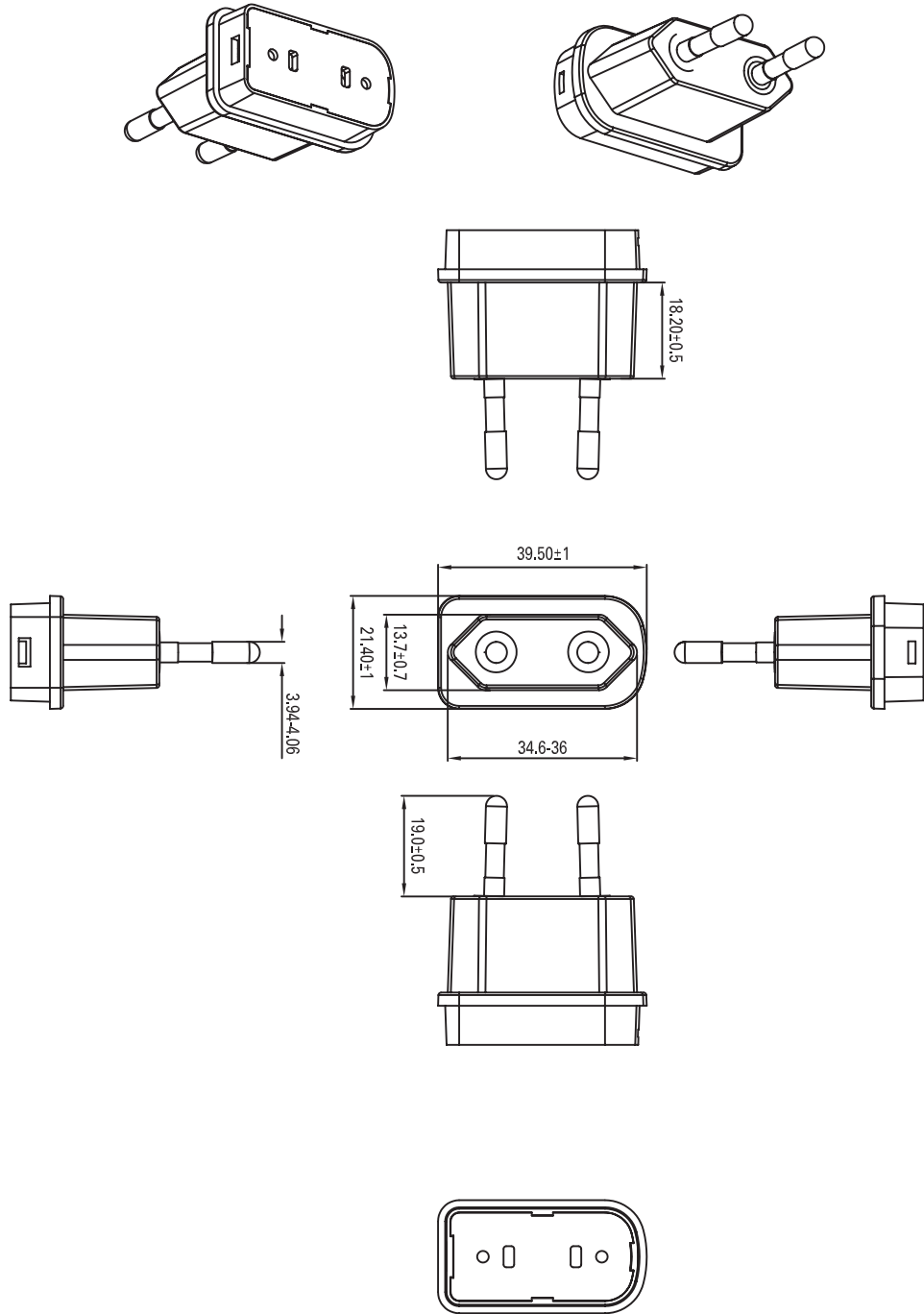
- 10.1 Weight: 190.8g

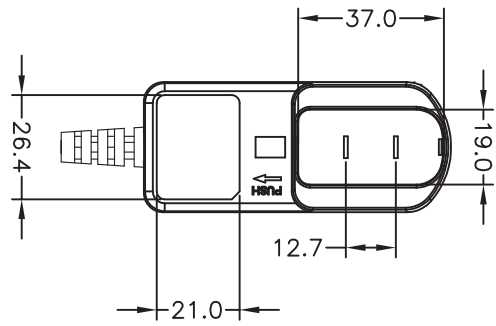
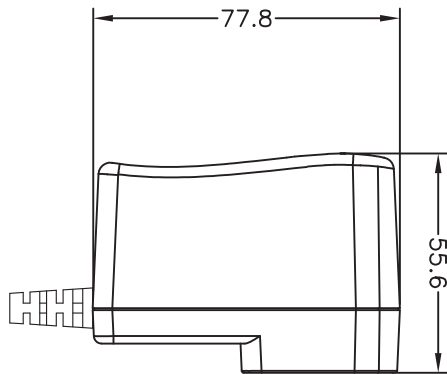
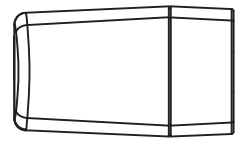
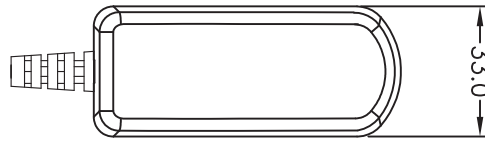
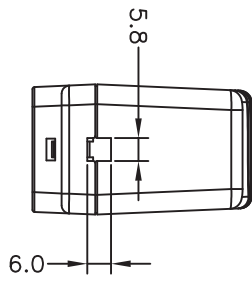
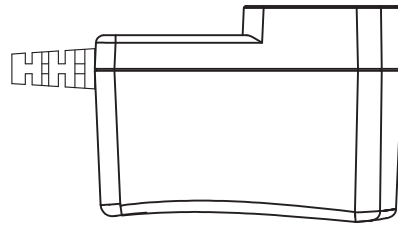
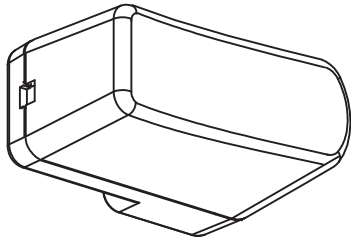
11. Mechanical Drawings



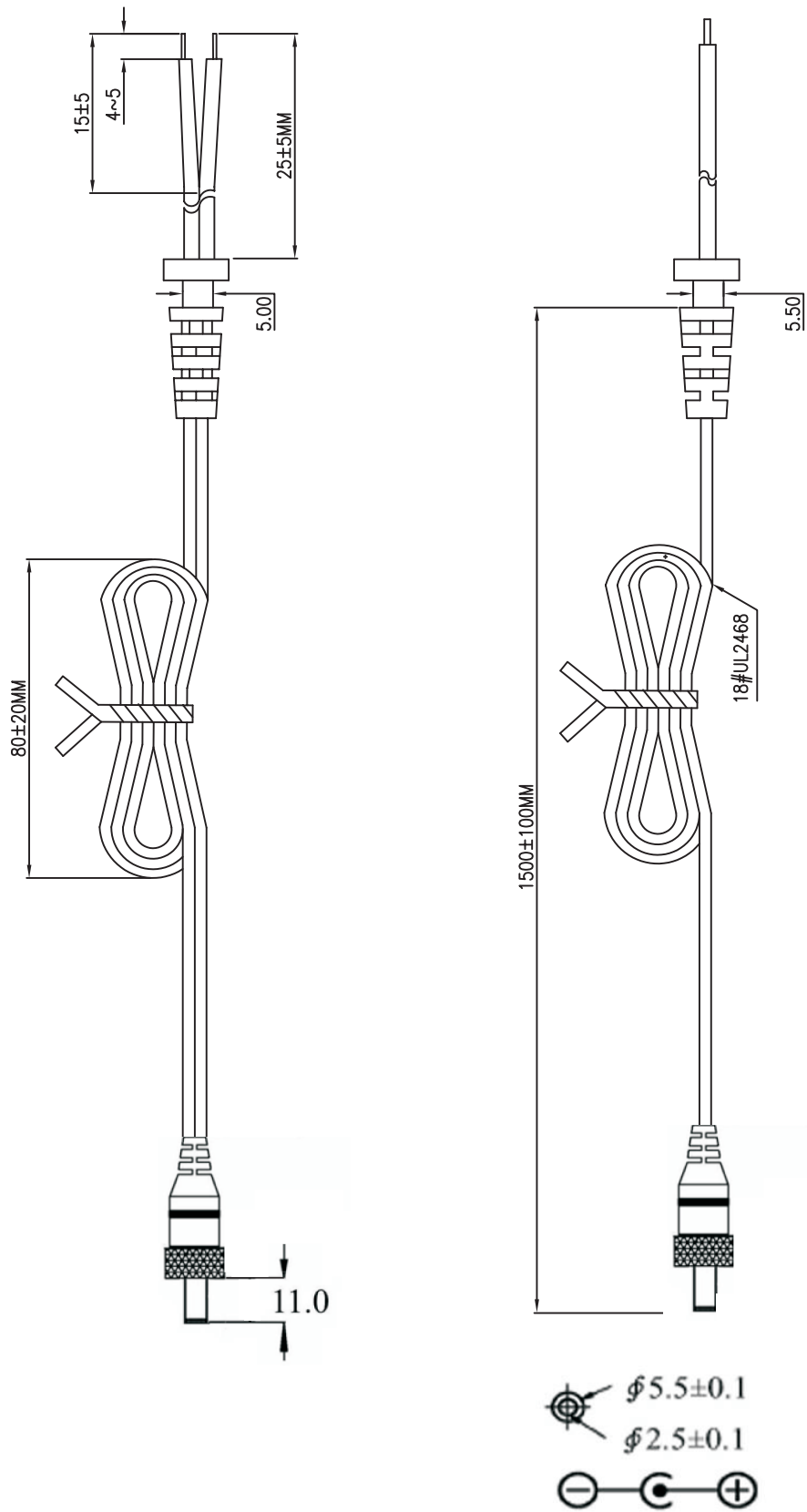




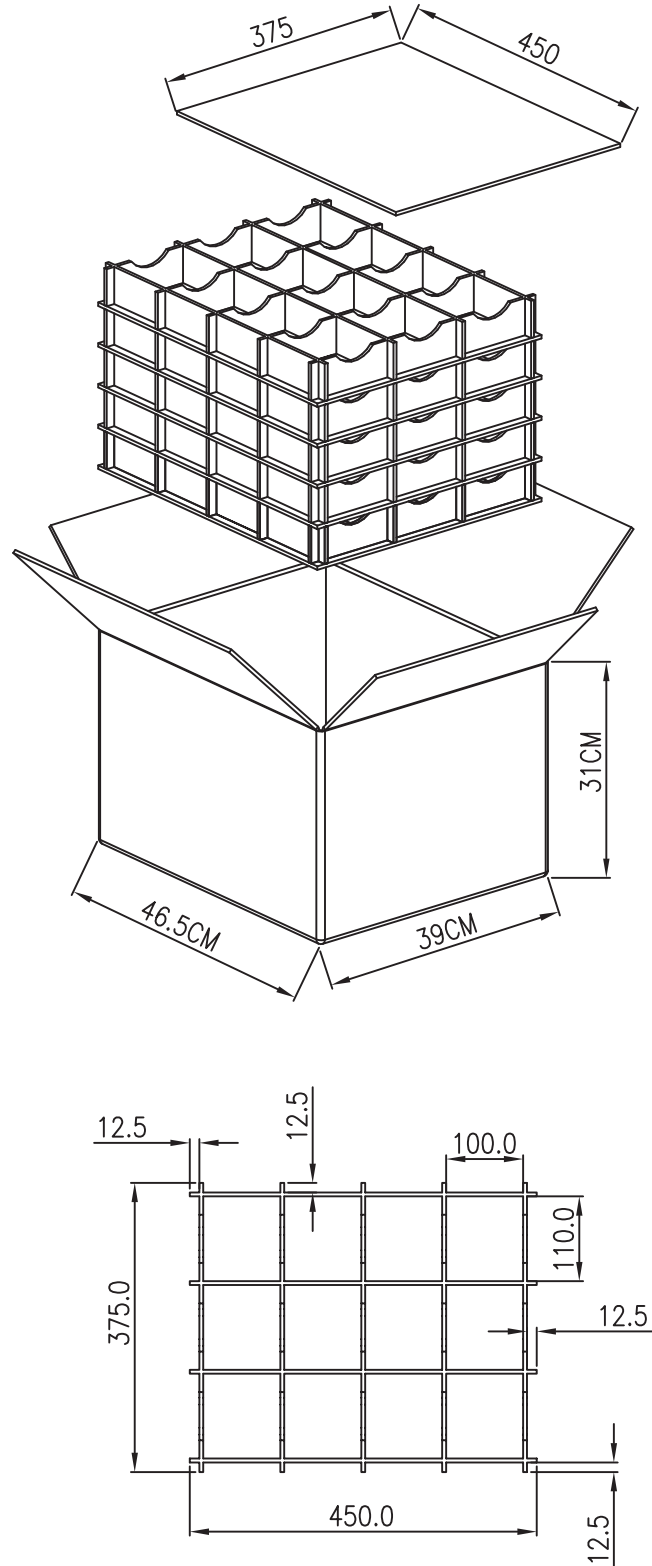




12. Output Cable and DC Plug



13. Packing



14. Label

