

## Features

- Universal input 90~264V ac
- Approved to: UKCA, CE, TUV-GS, cULus, FCC, RCM (C-Tick), RoHS
- EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 5~9V DC
- OVP, OCP, OTP, SCP



Ideal Power's 25HK-AY-xAz-CP-3A 24W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, FCC, RCM (C-Tick), RoHS & EN 62368-1/IEC 62368-1/UL 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

### Models

Model Number	Output Voltage	Output Current	Output Power	Efficiency %
25HK-AY-050A300-CP-3A	5V DC	3A	15W	81.38
25HK-AY-090A266-CP-3A	9V DC	2.66A	24W	86.19

### General Specifications

Type	Switched Mode Power Supply
Plug Type	Australia, European Plug, UK, US
Output Connector	2.1mm x 5.5mm x 12mm Centre Positive
Input Connector	Universal Plug
Number Of Outputs	1
Regulated/Unregulated	Regulated
Efficiency	Up to 86.2%
Energy Efficiency Level	VI
Applications	Peripheral equipment, Networking equipment, Portable equipment, Telecommunications equipment

**Output Data**

Output Voltage	5 ~ 24 V DC
Input Voltage Range	100 ~ 240V AC $\pm$ 10%
Output Regulation	5V; 4.75-5.3V / 9V; 8.55-9.45V / 24V; 22.8-25.2V
Power Rating	Up to 24W
Load Regulation	$\pm$ 5%
Dielectric Withstand	AC 3000 Vrms ,4mA,1minute for type test, 2 second for production test
Input Frequency	47H - 63Hz
Hold-up time	10ms Min at 110VAC full load
Inrush Current	60A Max
No Load Power Consumption	0.1W Max
Ripple and Noise	240mV Max @20MHz bandwidth with 10UF/50V capacitance and 104/50V ceramic capacitor
MTBF	50,000 hours at 25 centigrade degrees
Line Regulation	$\pm$ 2% maximum
Short Circuit	Yes

**Mechanical Specifications**

Cable Length	5V; 1.5m-AWG#18 / 9V; 1.83m-AWG#18 / 24V; 1.8m-AWG#18
Width	46.2mm
Length	79.1mm
Depth	37mm

**Operation Environment Specifications**

Operating Temperature	0°C ~ 40°C
Storage Temperature	-2°C ~ +70°C
Relative Humidity	10% ~ 95%

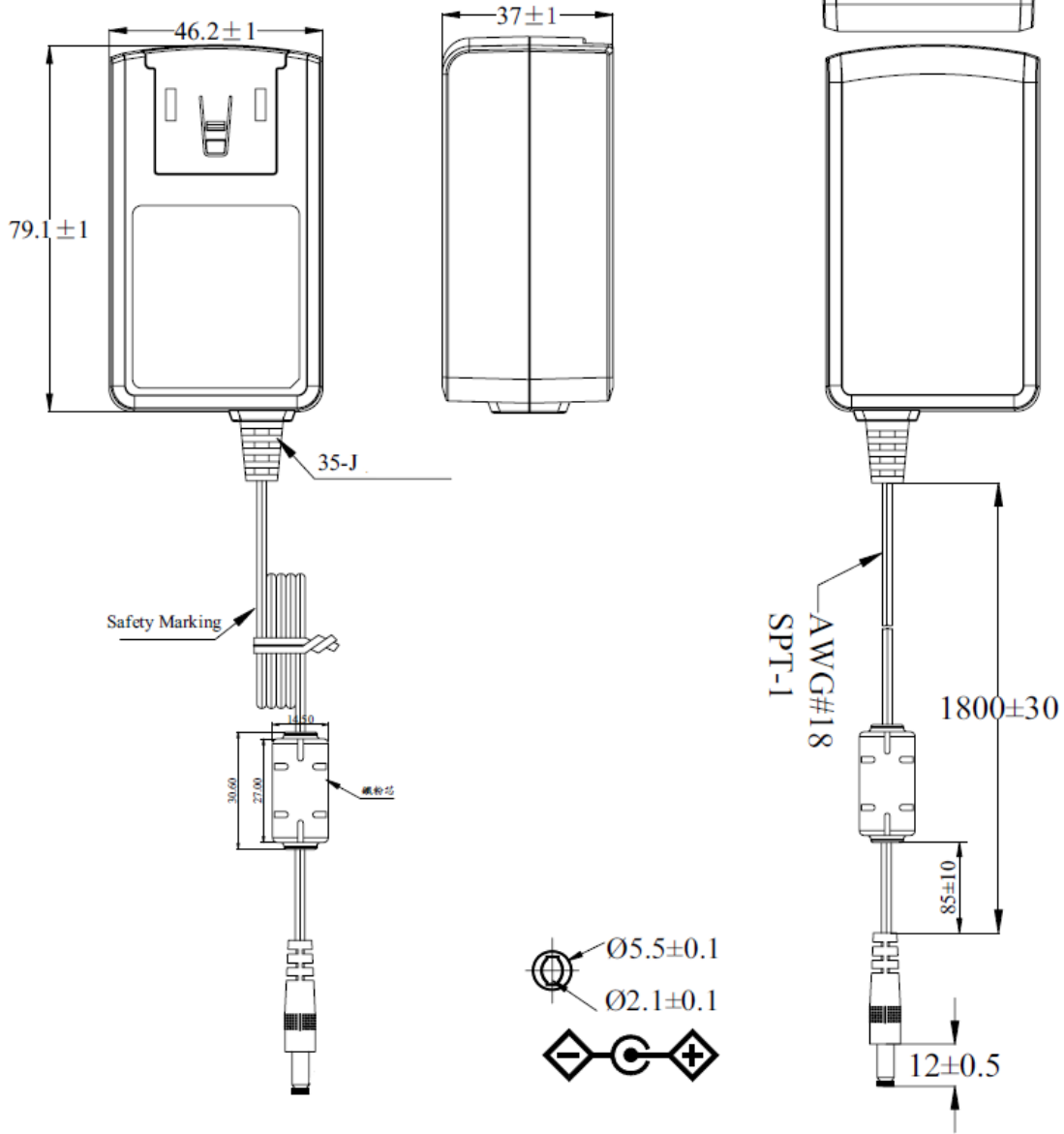
**Approvals**

Standards Met	AS/NZS 60950.1, BS EN 60950-1, CB, CE, CSA C22.2 No. 60950-1-07, cUL, EN 60950-1, ErP III. (Level VI) Efficiency Compliant, FCC, J60950-1, SAA, TUV, UL, UL 60950-1
Compliance/Certifications	UKCA, CE, cULus, FCC, RCM (C-Tick), TUV-GS, RoHS

Mechanical Drawing

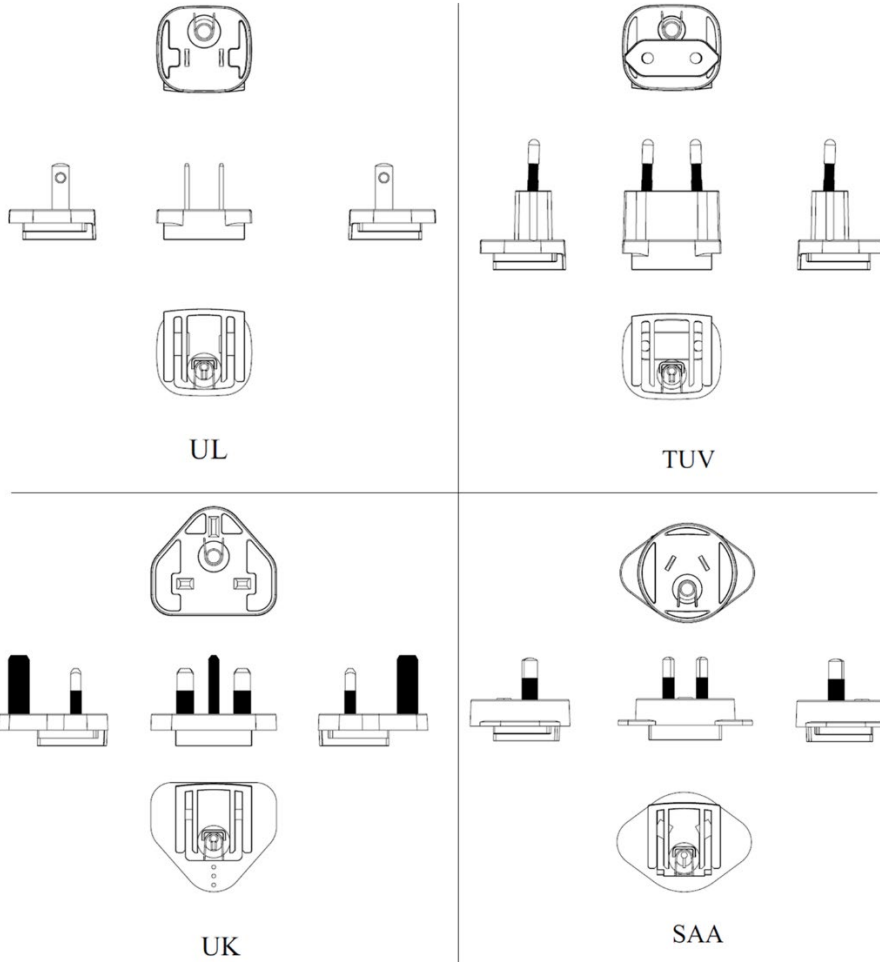
OVERALL DRAWING

UNIT: mm  
COLOR: BLACK

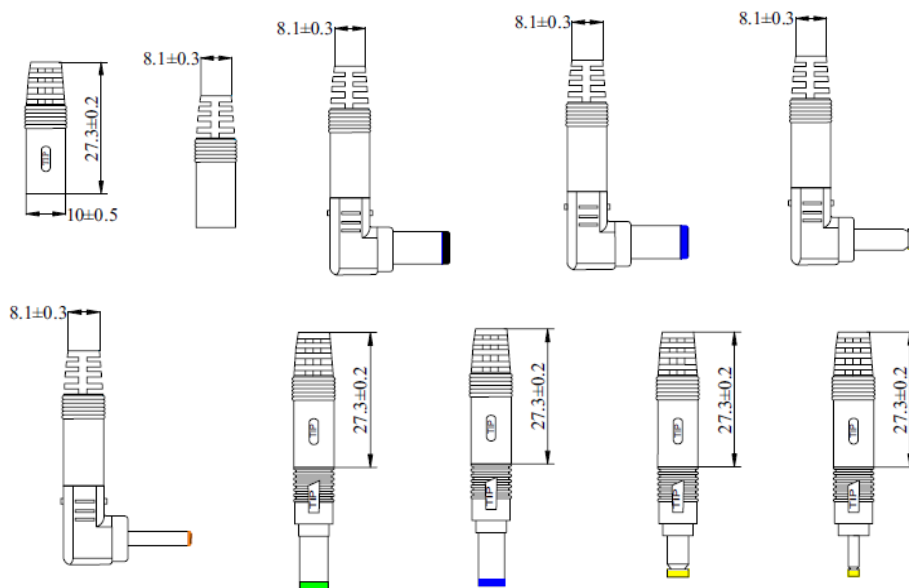


AC - DC

Mechanical Drawing (Continued)



Mechanical Drawing (Continued)

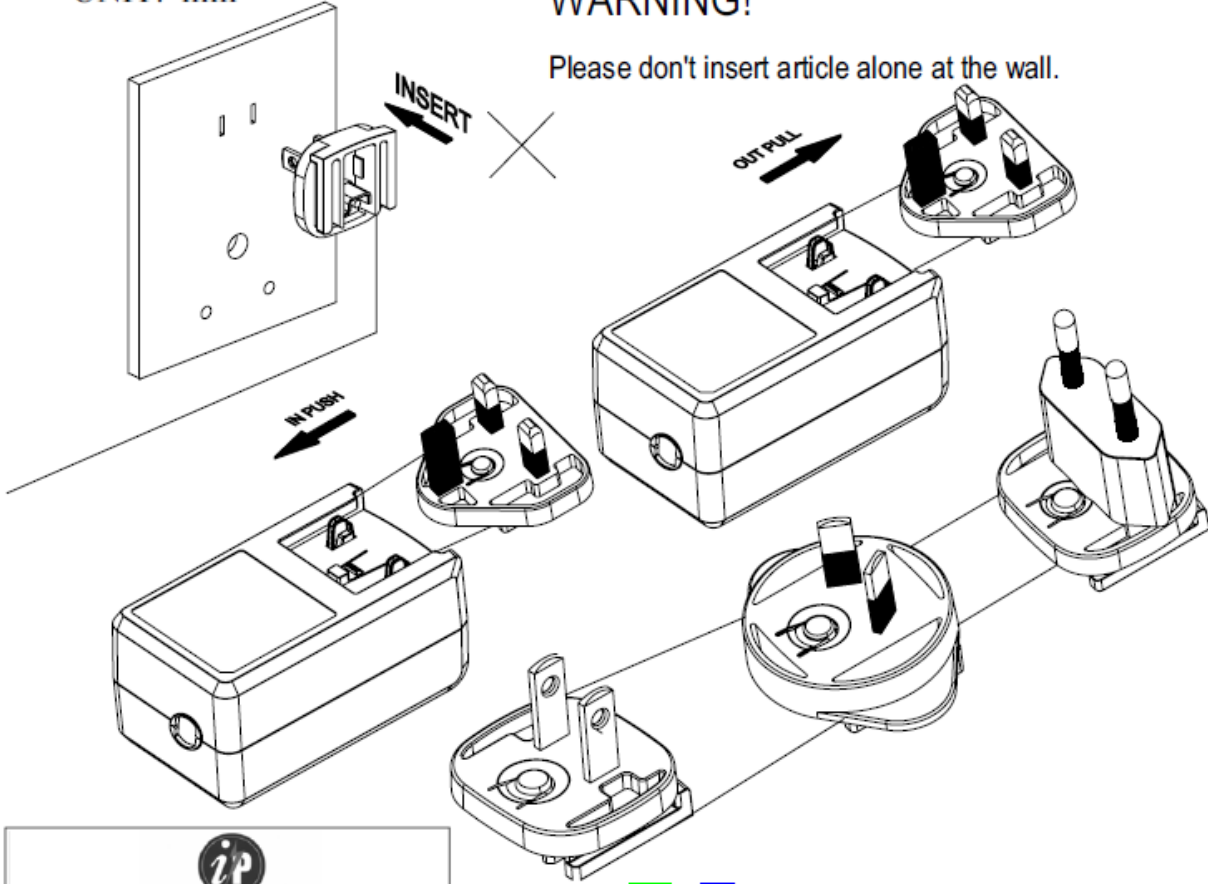


Mechanical Drawing (Continued)

UNIT: mm

**WARNING!**

Please don't insert article alone at the wall.



AC - DC

**IP IDEALPOWER**  
IDEAL POWER SOLUTIONS

Output connector instructions.

Supplied by Ideal Power Ltd, Acom House, Tree Beech Enterprise Park, Gunn, Barnstaple, Devon, England EX32 7NZ Tel. +44 (0) 845 2603400

Please ensure the correct polarity is observed before connecting to any user equipment.

Positive Inner

Positive Outer

Instruction manual card

Packaging (continued)

Carton Unit: mm

Inner Box

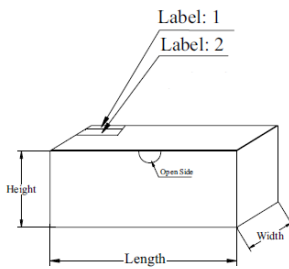
UNIT: mm

■ BOX (■ Normal BOX □ Corrugated BOX)

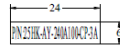
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Width: 75

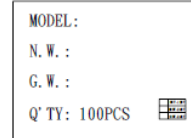
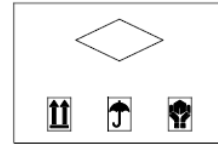
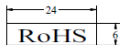
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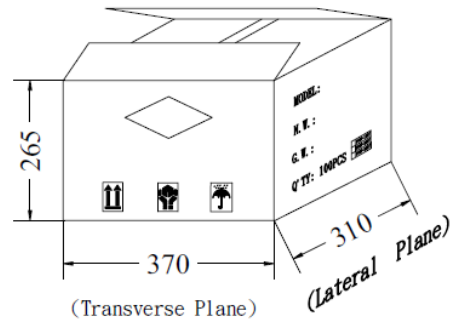
Label: 1



Label: 2



100V-120V
200V-240V
100V-240V



Typical Label

