



Features

- Universal input 90-264V AC
- Interchangeable Power Supply
- Approved to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS
- UL/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 5~240V DC
- OVP, OCP, OTP, SCP

Image for Illustration Purpose
Models may vary

Ideal Power's 25HK-AP-xAz-CP-RS-2.5 6W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS & EN 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 (V DC)	Output Current (A)	Output Power (W)	Efficiency (%)
25HK-AP-050A120-CP-RS-2.5	5	1.2	6	78.88
25HK-AP-120A050-CP-RS-2.5	12	0.5	6	78.88
25HK-AP-150A040-CP-RS-2.5	15	0.4	6	78.88
25HK-AP-240A025-CP-RS-2.5	24	0.25	6	78.88

Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90	--	264	V AC	100-240VAC +/- 10%
Input Frequency	47	--	63	Hz	50-60Hz +/- 5%
Input Current	--	--	1.0	A	
Inrush Current	0	--	60	A	At cold start, 100 / 240V AC
Leakage Current	--	--	0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage Range	4.75	--	25.2	V	
Ripple & Noise	--	300	--	mVp-p	Model dependant
Line Regulation	--	2	--	%	
Hold Up Time	10	--	--	Min	At 110V ac full load
Turn On Time	--	--	2	S	At 110V ac full load
Temperature Coefficient		0.05		% °C	
Dielectric Strength	Primary to Secondary: AC 3000 Vrms, 4mA, 1minute for type test, 2 second for production test.				
Insulation Resistance	Primary to secondary: 50M OHM to 500VDC.				

**Protection**

Input Protection	The switching power supply has a 2 Amps inner current fuse to protect itself.
Output Current Protection	Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.
Short Circuit Protection	Auto Recovery.

Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0	--	+40	°C	
Relative Humidity	10	--	95	°C	
Storage Temperature	-20	--	+70	°C	
Relative Humidity	10	--	95	°C	

Other Information

	Min	Typical	Max	Units	Notes
MTBF	--	100,000	--	hrs	At 25°C
Dimensions					64.5x38x34.8mm
Cable					UL2468, AWG24, 1800mm
Output Connector					2.5x5x12mm

Standards

	Test Level
EMI/EMC	FCC PART 15 Class B AS/NZS CISPR 32: 2015 EN 55032: 2015, Class B CISPR 32: 2012 (Ed 2.0) EN 61000-3-2: 2014 EN 61000-3-3: 2013 IEC 61000-4-2: 2008 IEC 61000-4-3: 2006 +A1: 2007 +A2: 2010 IEC 61000-4-4: 2012 IEC 61000-4-5: 2014 IEC 61000-4-6: 2013 IEC 61000-4-8: 2009 IEC 61000-4-11: 2004 +A1: 2017

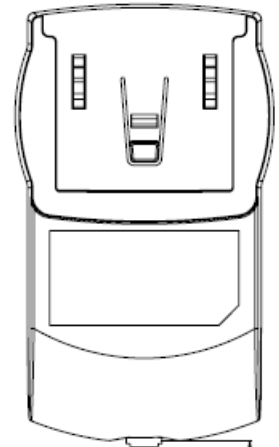
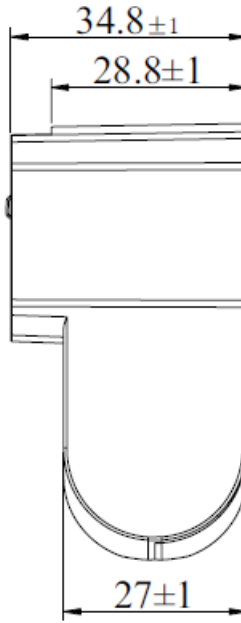
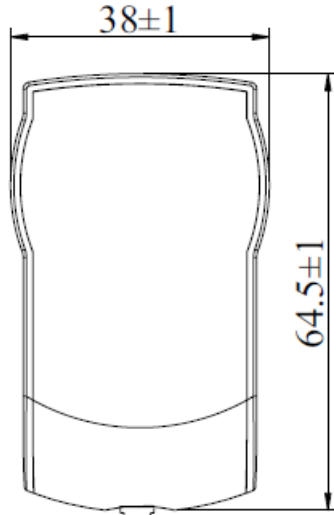
Safety Approvals

	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European) – Only applicable for UK & EURO plugs.
cULus	Yes – Only applicable for US plug.
TUV	Yes (German/European) – Only applicable for EURO plug.
RCM & C-Tick	Yes – Only applicable for Australian plug.



Mechanical Drawing

UNIT: mm
COLOR: BLACK



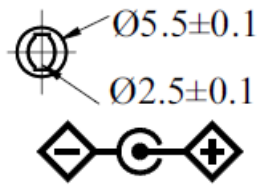
Safety Marking



35-T

AWG#24
UL2468

6FT MIN



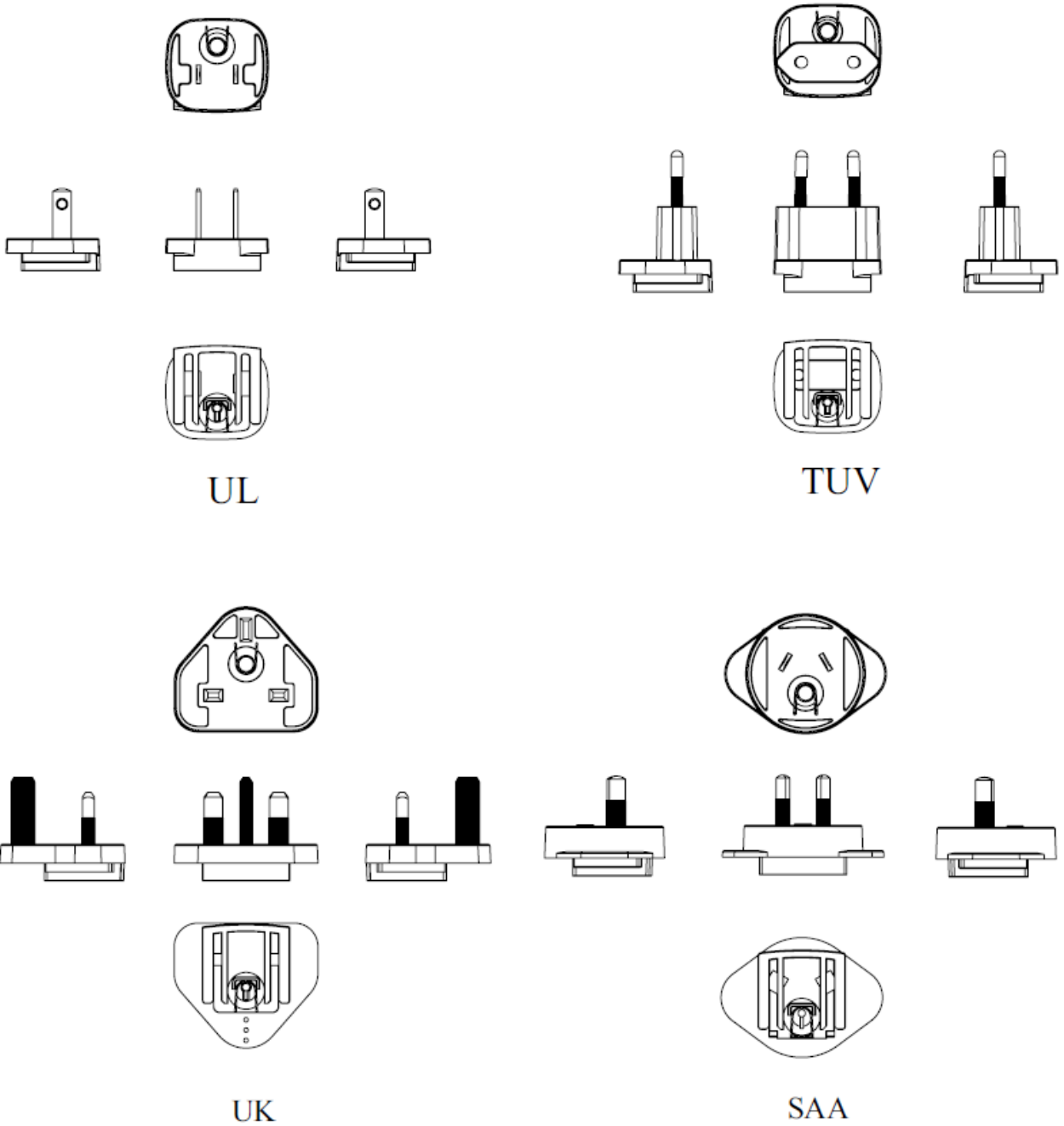
12±0.5

AC - DC



Plug Drawing

UNIT: mm



AC - DC

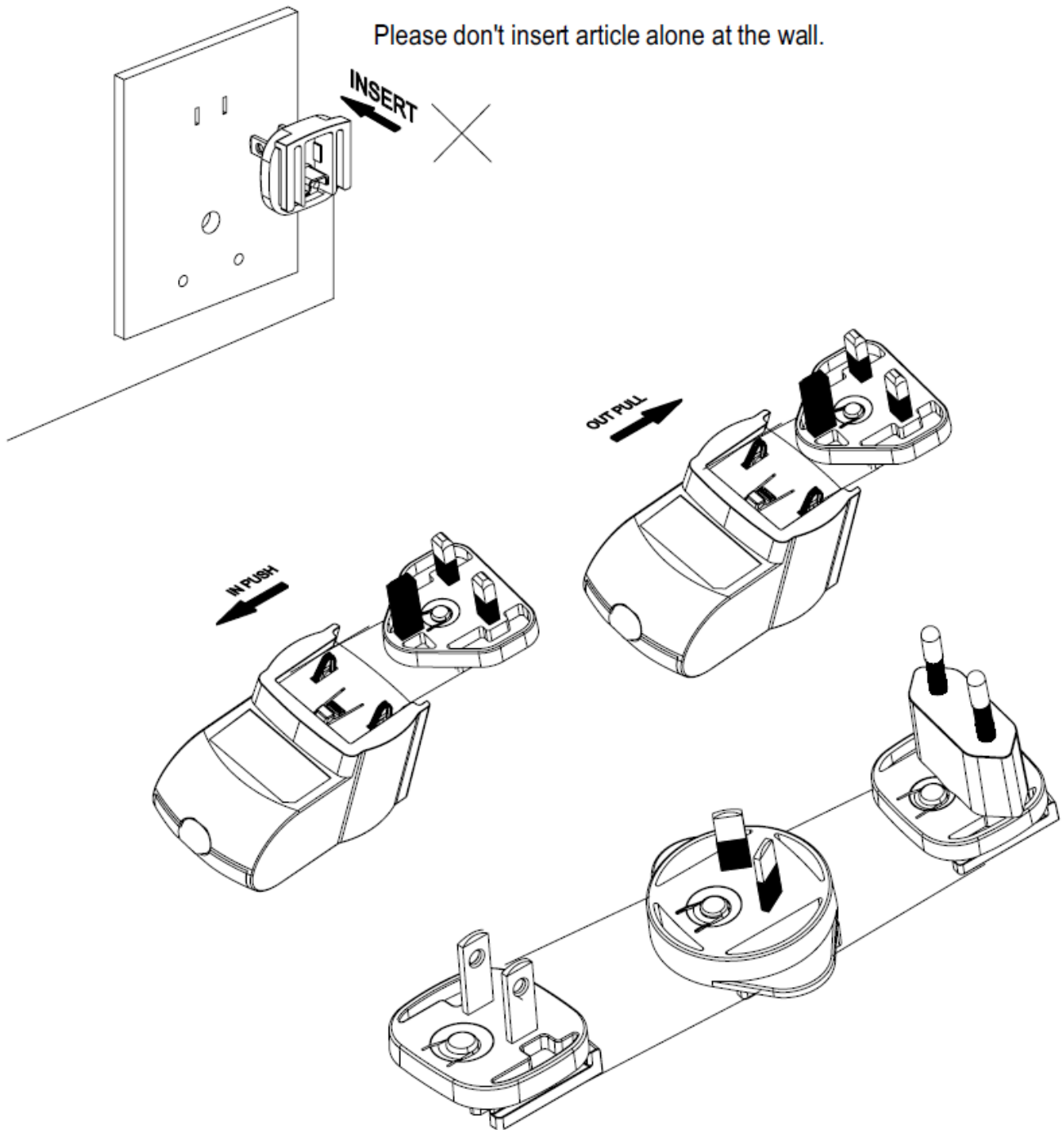


Plug Drawing

UNIT: mm

WARNING!

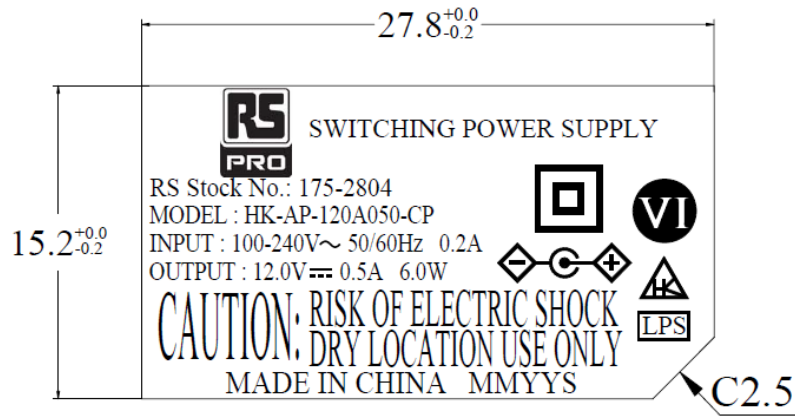
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AC - DC



Typical Label Drawings



18.1 Inner Box

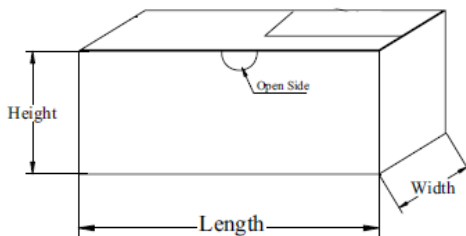
UNIT: mm

BOX (Normal BOX Corrugated BOX)

Length: 82

Width: 85

Height: 55



- Pantone 485C, Black
- 175-2804, RS, 4mm min, EAN128 format
- 25HK-AP-120A050-CP-RS-2.5, 2.7mm min
- Made in China, 2.7mm min

NOTICE:

It's probably different from the white box of the sample and the figure dimension.
The white box is used to pack during product.