

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 5V DC
- OVP, OCP, OTP, SCP



Ideal Power's 25HK-AP-xAz-USBA-3A 6W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, cULus, TUV, RCM (C-Tick), CE, REACH & 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 (V DC)	Output Current (A)	Output Power (W)	Efficiency (%)
25HK-AP-xAz-USBA-3A	5 V DC	1.2A	6W	75

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	--	--	0.2	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	--	5.25	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	--	50,000	--	hrs	At 25°C
Dimensions					65x35x38mm
Output Connector					USB A

Standards

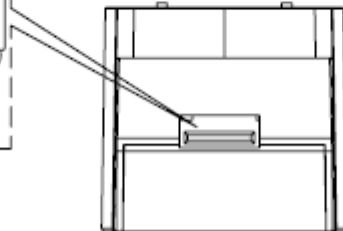
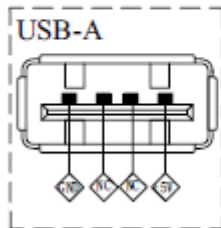
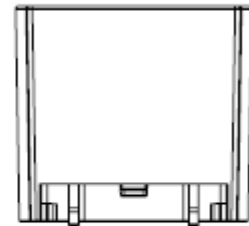
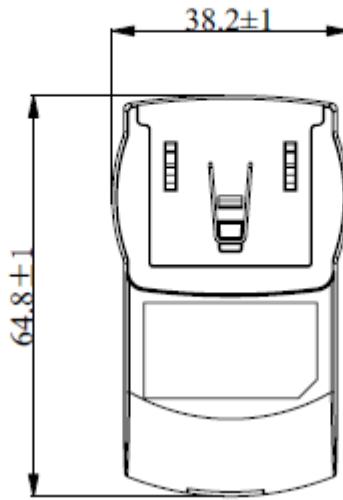
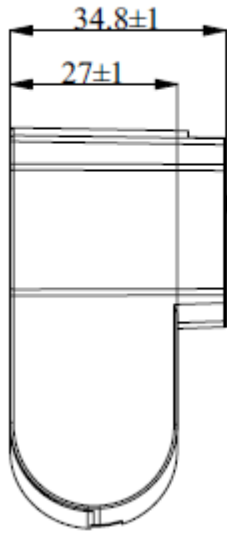
	Test Level
EMI/EMC	FCC PART 15 Class B GB17625.1-2012; GB 9254-2008 EN 55032: 2015, Class B CISPR 32: 2012 (Ed 2.0) EN 61000-3-2: 2014 EN 61000-3-3: 2013 IEC 61000-4-2: 2008 IEC 61000-4-3: 2006 +A1: 2007 +A2: 2010 IEC 61000-4-4: 2012 IEC 61000-4-5: 2014 IEC 61000-4-6: 2013 IEC 61000-4-8: 2009 IEC 61000-4-11: 2004 +A1: 2017 AS/NZS CISPR 32: 2015

Safety Approvals

	Safety Standards
Certifications	UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS
Approvals	EN 62368-1/UL 62368-1

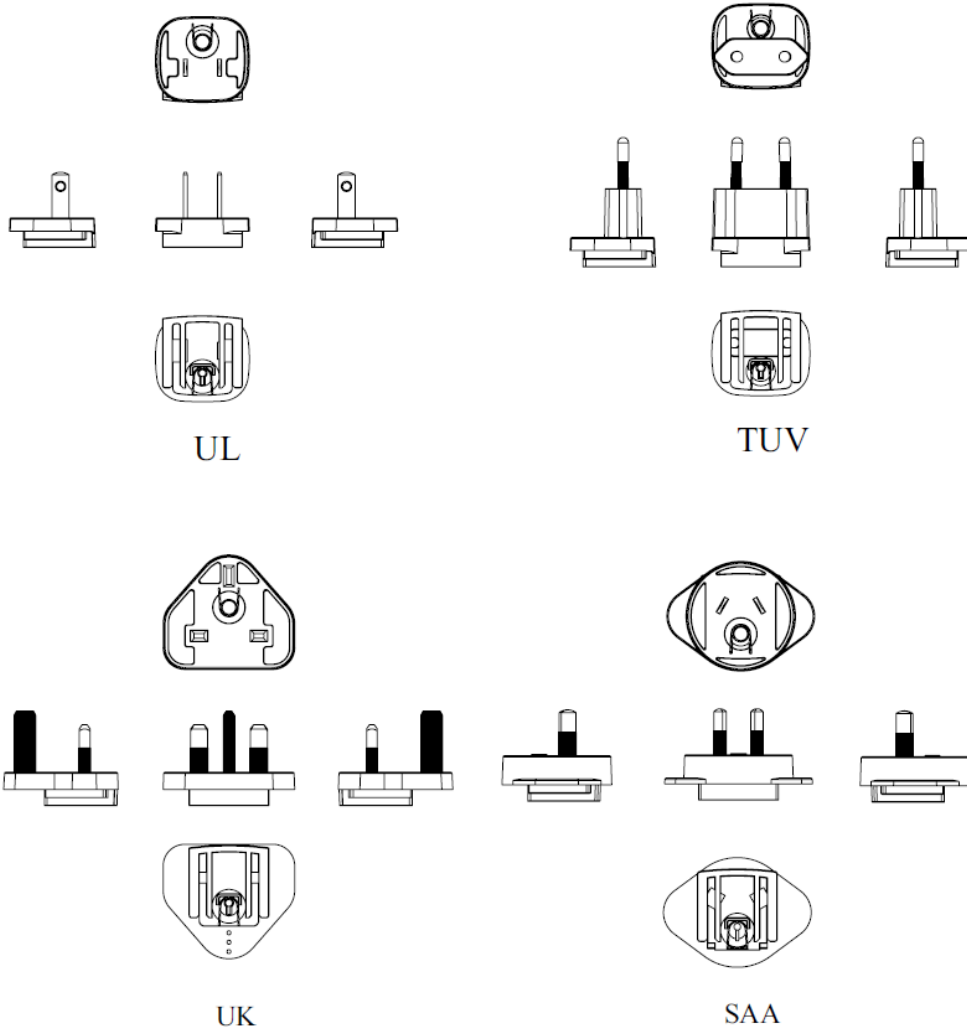
Mechanical Drawing

UNIT: mm



Plug Drawing

UNIT: mm



Typical Label Drawings

