

Features

Universal Input 100~264V AC

Approved to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), RoHS

UL/EN 62368-1 Safety Approved

Meets Efficiency Level VI

FCC Class B Certified

Single Output 05~24V DC

OVP, OCP, OTP, SCP

**QR
Code**

Ideal Power Will Do This

25HK-AY-xAz-DH Series

24W External AC/DC Desktop Power Supply



Image for Illustration Purpose
Models may vary



The 25HK-AY-xAz-DH Series is a high-efficiency and standards-compliant 24W External AC/DC Desktop Power Supply. Designed for use in applications such as industrial control and automation systems. This series is supplied with a IEC C8 input connection and supports input voltages of 100~240V AC 47~63Hz.

Models

Model	Voltage (V)	Output	
		Current (A)	Power (W)
25HK-AY-050A300-DH	5	3	15
25HK-AY-090A266-DH	9	2.66	15
25HK-AY-120A200-DH	12	2	24
25HK-AY-150A160-DH	15	1.6	24
25HK-AY-240A100-DH	24	1	24

Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	100	--	240	V ac	+/- 10%
Input Frequency	47	--	63	Hz	60Hz/50Hz Nominal
Input Current	--	--	0.8	A	at 100-240V ac input & Full load
Inrush Current	--	--	60	A	at 100-240Vac input and Max load for a cold start at 25oC
Power Consumption	--	--	0.1	W	tested after No load operating for 30min

Output Data

	Min	Typical	Max	Units	Notes
Regulation	4.75	--	25.2	V	Model dependant
Load Range	0.0	--	5.25	A	
Ripple & Noise	--	--	200	mVp-p	@20MHz bandwidth
Line Regulation	--	±2	--	A	@ 100 Vac to 240 Vac input & Full load
Turn-on Delay Time	--	--	2	S	@110 V ac full load
Hold-up Time	10	--	--	S	@110 V ac full load

Protection Requirements

	Min	Typical	Max	Units	Notes
Over Current Protection	--	--	--	A	Will recover if fault condition is removed
Short Circuit Protection					Will recover if fault condition is removed
Over Voltage Protection					Will recover if fault condition is removed

Environmental Data

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

Reliability Requirements

	Min	Typical	Max	Units	Notes
Burn-in	2	--	--	Hrs	Under normal input and 80% rated load at 40°C ± 5°C
MTBF	50,000	--	100,000	Hrs	@25°C Full load and nominal input, model dependant
Dielectric Strength	--	--	4	mA	AC 3000 Vrms ,4mA,1minute for type test, 2 second for production test.
Insulation Resistance	50	--	--	mΩ	@primary to secondary: 500Vdc test voltage

EMI/EMC 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

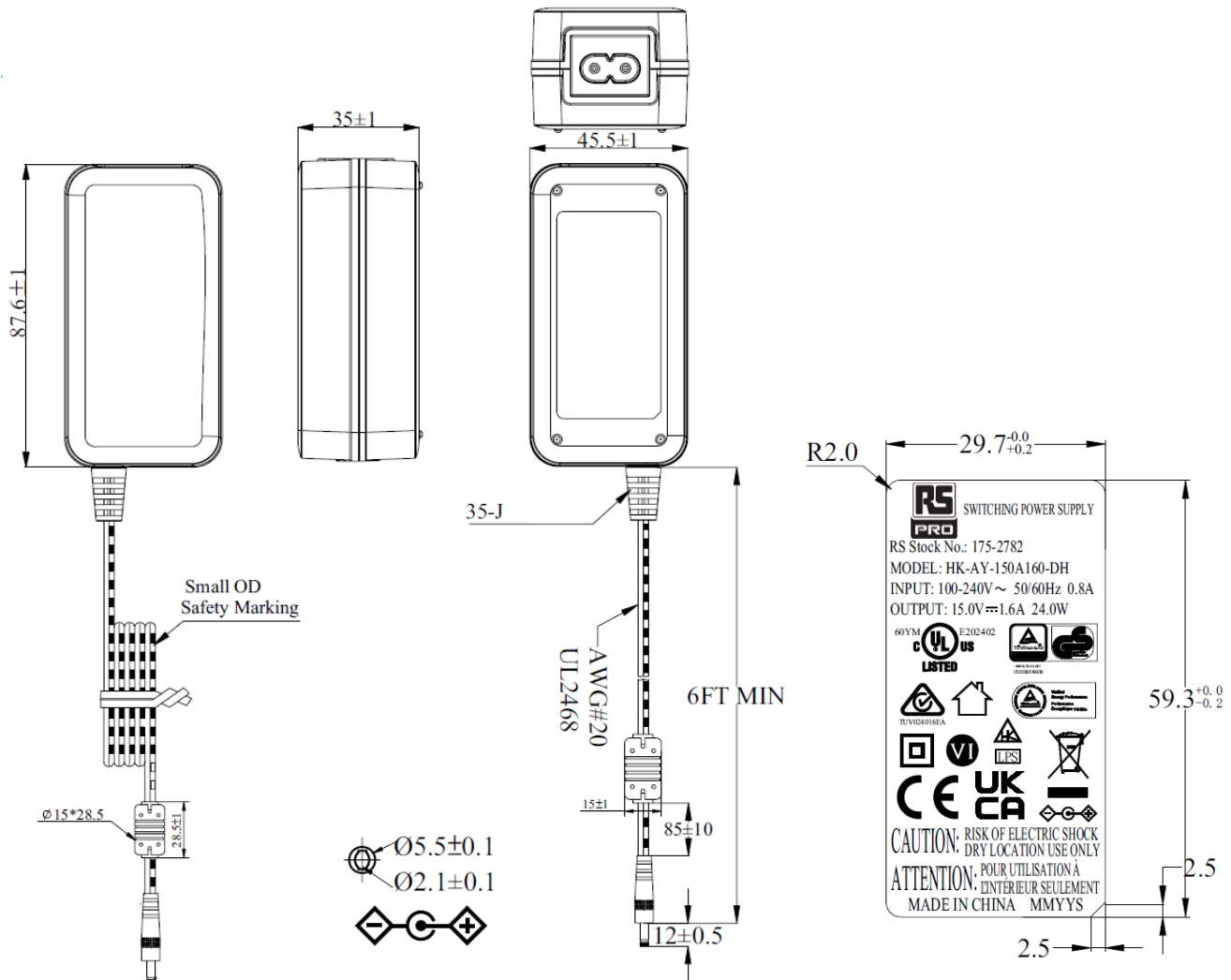
Safety Approvals

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

Product Information

	Notes
Dimensions	99x52x36mm
Output Connector	DC Plug: 2.5 x 5.5 x 12.0mm

Mechanical Drawing & Typical Label



Packaging Label

