

## Features

- Universal Input 100~264V AC
- Approved to UKCA, CE, cULus, TUV-GS, RCM (C-Tick), FCC, RoHS
- UL/EN 60950-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 24V DC
- OVP, OCP, OTP, SCP



Ideal Power's 25HK-AB-xAz-DH6-RS 30W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), 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-AB-150A200-DH6-RS	15	2	30	86.94
25HK-AB-300A100-DH6-RS	30	1	30	86.94

### 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 25°C
Power Consumption	--	--	0.1	W	tested after No load operating for 30min

### Output Data

	Min	Typical	Max	Units	Notes
Regulation	14.25	--	31.5	V	Model dependant
Load Range	0.0	--	2.0	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	%	
Relative 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	--	100,000	--	Hrs	@25°C Full load and nominal input
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 GB17625.1-2012; GB 9254-2008 KN 32 KN 35 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 CNS 14336-1, J55032(H29) J3000(H25)

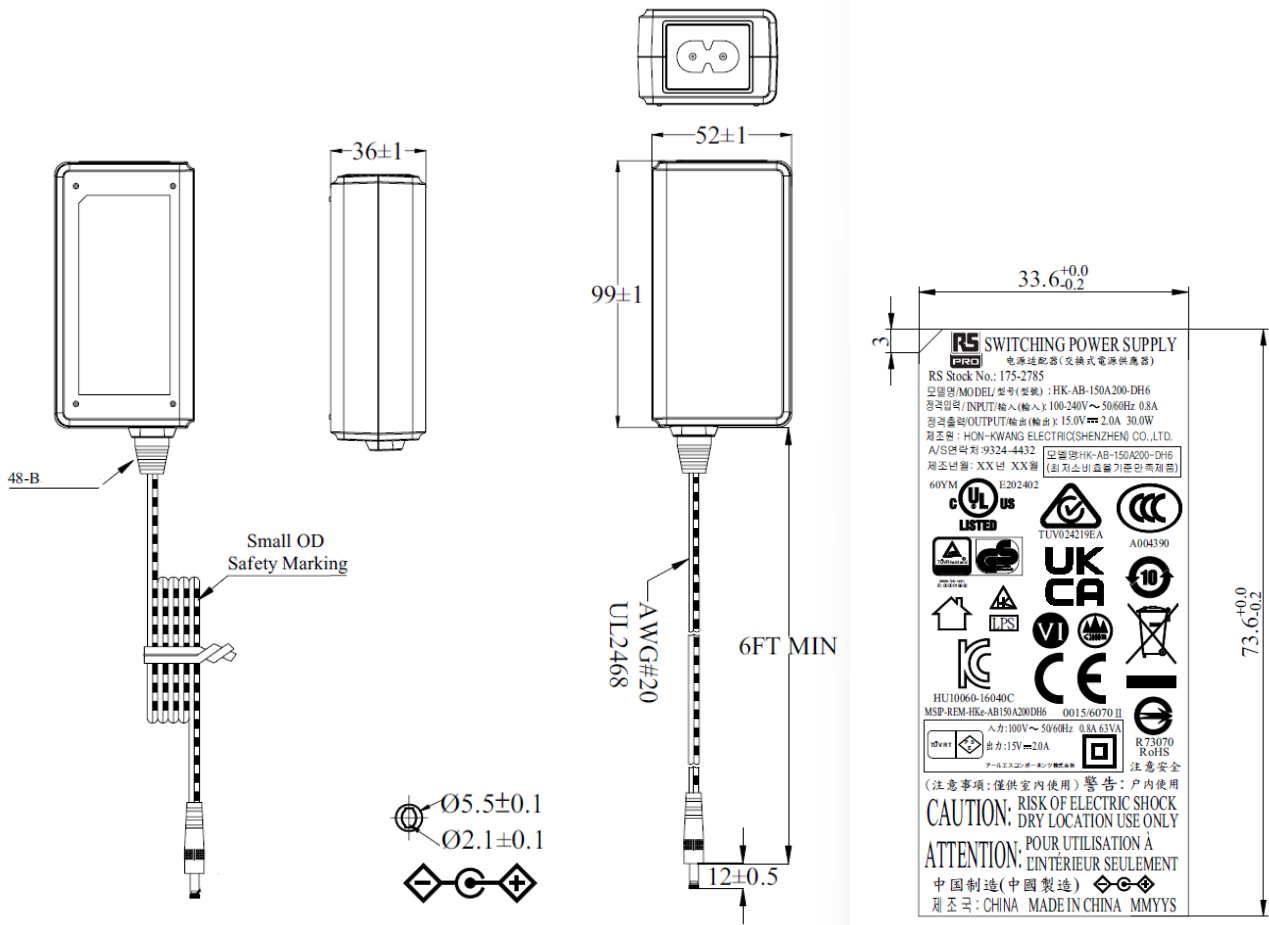
**Safety Approvals**

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

**Product Information**

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

**Mechanical Drawing & Label**



**Packaging Label**

Length: 120  
Width: 60  
Height: 52

