

## Features

- Universal input 100-240VAC
- Approved to UKCA, CE, cULus, RCM (C-Tick), RoHS & REACH
- EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 5-24V DC
- OVP, OCP, OTP, SCP



Ideal Power's 25HK-AY-xAz-CP 24W AC/DC External Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS, REACH & UL/IEC/EN 62368-1 Standards and comply with 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
25HK-AY-050A300-CP	5	3	15
25HK-AY-059A300-CP	5	3	17.7
25HK-AY-060A300-CP	6	3	18
25HK-AY-090A226-CP	9	2.26	23.9
25HK-AY-100A200-CP	10	2	25
25HK-AY-120A200-CP	12	2	24
25HK-AY-150A160-CP	15	1.6	24
25HK-AY-240A100-CP	24	1	24

### 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	--	0.8	--	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	--	5	--	%	
Ripple & Noise	---	-	200	mV	
Over Current Protection	Overload conditions shall decrease the				
Short Circuit Protection	Auto Recovery				
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	%	Operating 10% to 90%
Storage Humidity	10	--	95	%	Storage 5% to 95%

**Other Information**

	Min	Typical	Max	Units	Notes
Isolation	--	--	--	--	AC 3000Vrms, 4mA, 1 Minute for type test.
MTBF	--	50,000	--	hrs	
Weight	200 +/-10g				
Dimensions	Refer to mechanical drawings				

**EMC Emissions (2014/30/EU)**

	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	
Harmonic Standard	EN 61000-3-2		Class A	
Voltage fluctuation	EN 6100-3-3	Pass		Voltage fluctuations & Flicker

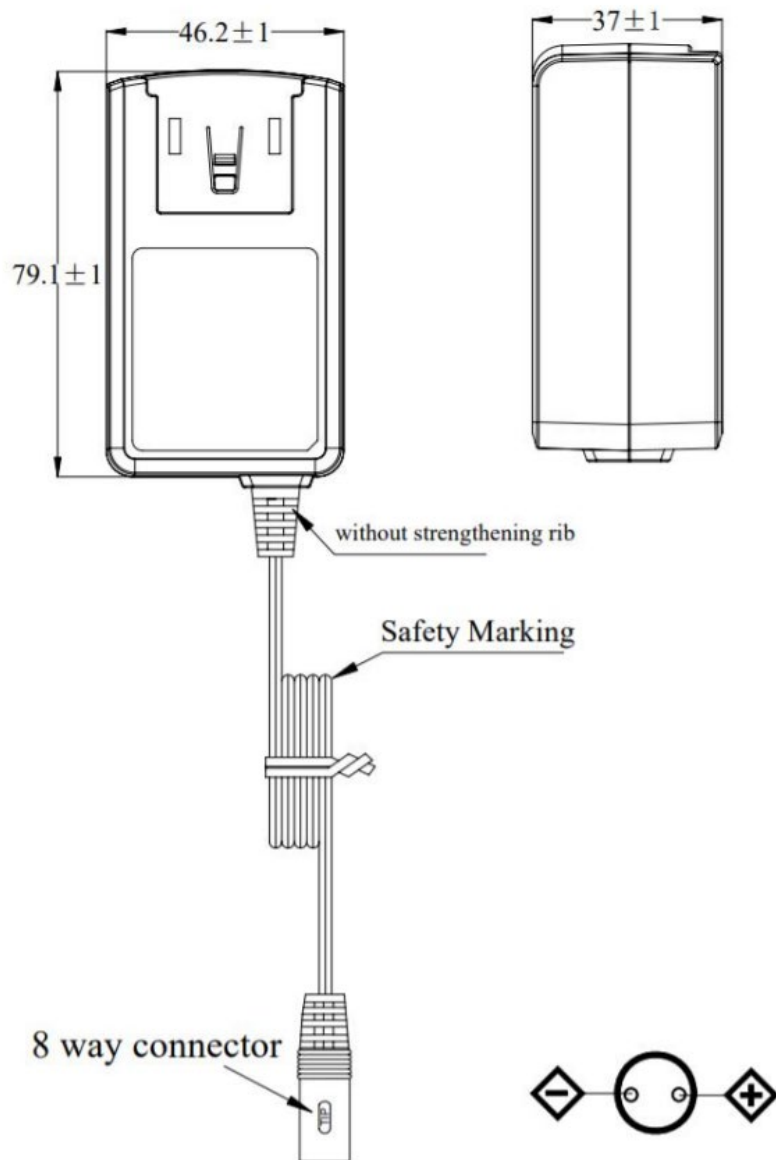
**EMC Immunity (2014/30/EU)**

	Standard	Test Level	Criteria	Notes
ESD	IEC 61000-4-2	Pass		Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3			Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4			0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5			Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Conducted	IEC 61000-4-6			CS: 0.15~ 80MHz, 3Vrm, 80% AM, 1kHz
PFMF	IEC 61000-4-8			50 Hz or 60Hz, 1A/m
Dips and Interruptions	IEC 61000-4-11			V/D: >95% reduction for 0.5 period VI:>95% reduction for 250 period.

**Safety Approvals**

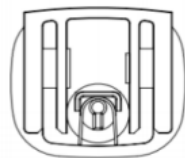
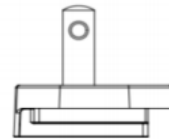
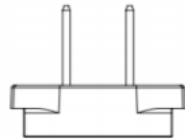
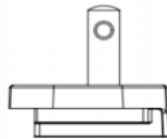
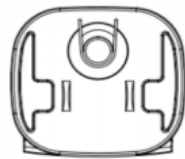
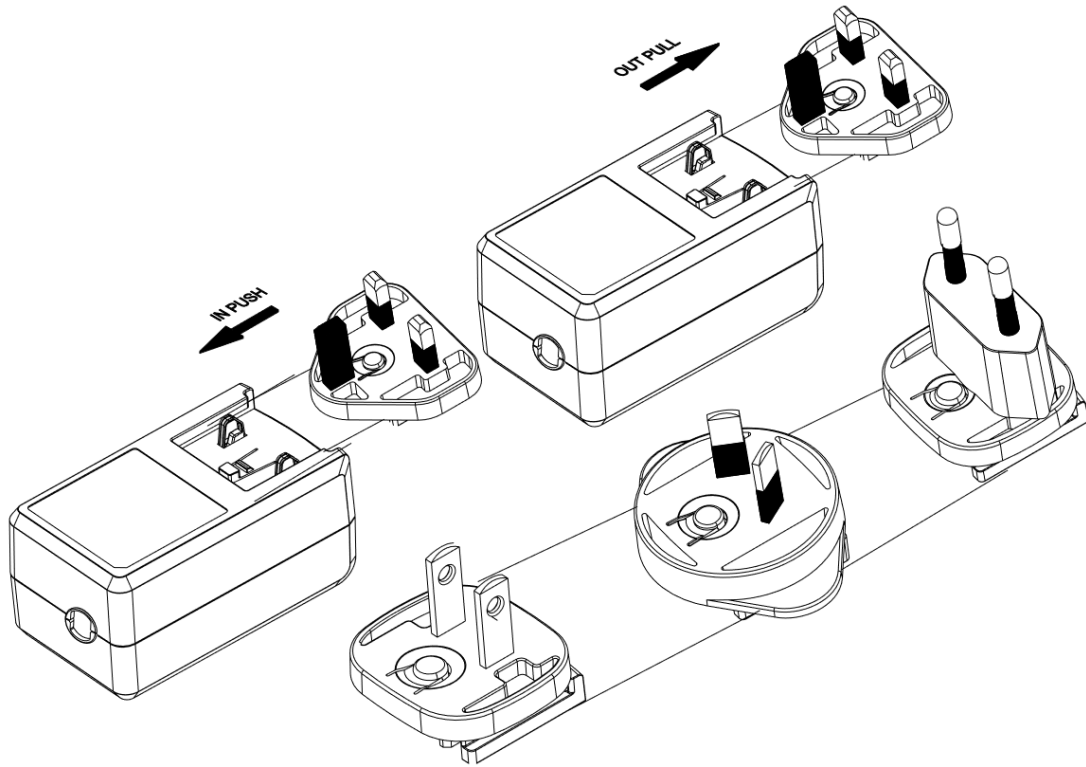
Safety Standards	
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European)
cULus	Yes –(US)
TUV	Yes (German/European)
RCM & C-Tick	Yes – (Australian)

**Mechanical Drawing**



AC – DC

Mechanical Drawing (Continued)

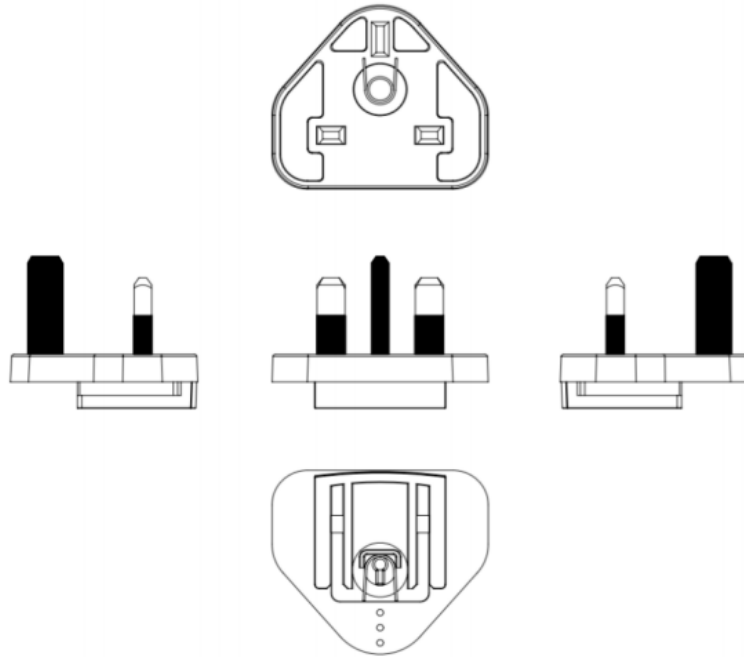


UL

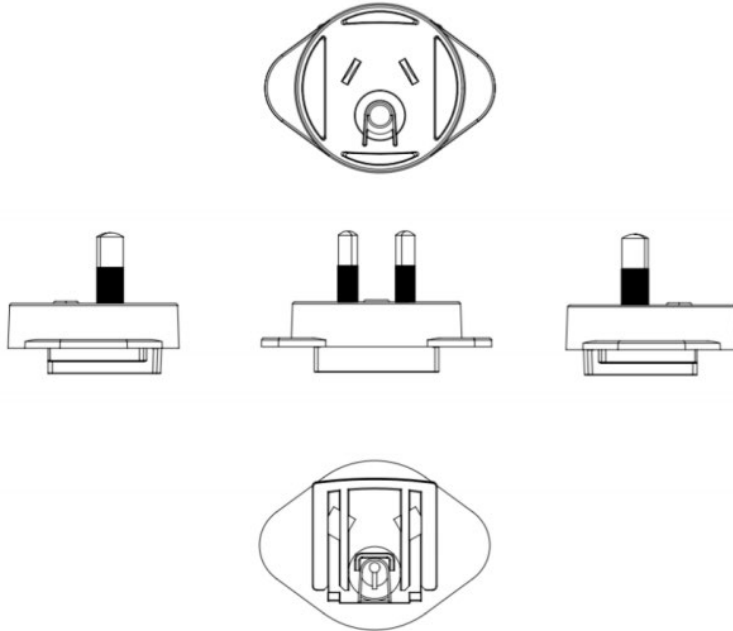
AC - DC

Mechanical Drawing (Continued)

AC – DC



UK



SAA

Mechanical Drawing

UNIT: mm

