

## Features

- Universal input 100-240VAC
- Approved to UKCA, CE, cULus, RCM (C-Tick) RoHS & REACH
- UL/EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 9-30V DC
- OVP, OCP, OTP & Short Circuit



Ideal Power's 15DYS824-xyW 24W AC/DC External Desktop 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	Output Current	Output Power
15DYS824-050300W	5V DC	3A	15W
15DYS824-090266W	9V DC	2.66A	24W
15DYS824-120200W	12V DC	2A	24W
15DYS824-240100W	24V DC	1A	24W

### 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			0.7	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		150		%	Dependent on Model: 150~300mVp-p
Over Current Protection	1.3		3.9	A	Dependent on Model OCPL: 1.3~3.9A
Short Circuit Protection					Continuous short circuit proof. 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		+80	°C	
Operating Humidity	0		40	°C	Operating 10% to 90%
Storage Humidity	-20		80	°C	Storage 5% to 95%

**Other Information**

	Min	Typical	Max	Units	Notes
Isolation					Please contact for specific information
MTBF		50,000		hrs	At 25°C, Full load and nominal
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 D	P.F. shall >0.95 @100Vac input and >0.9 @240Vac input
Immunity	EN 55035			

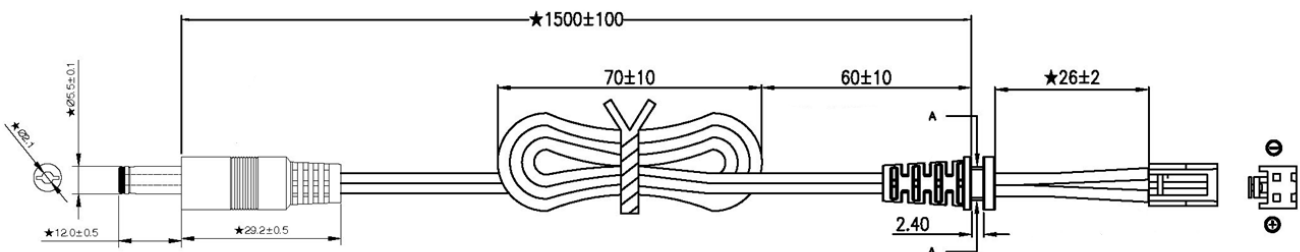
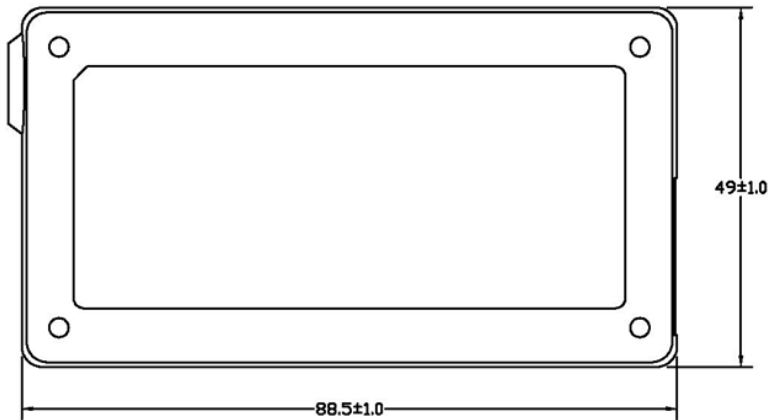
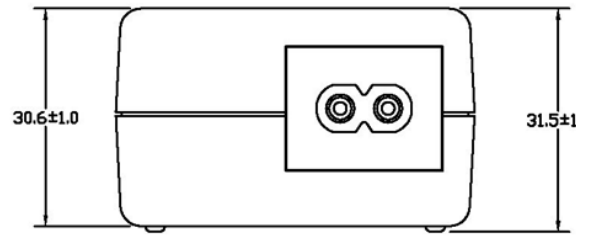
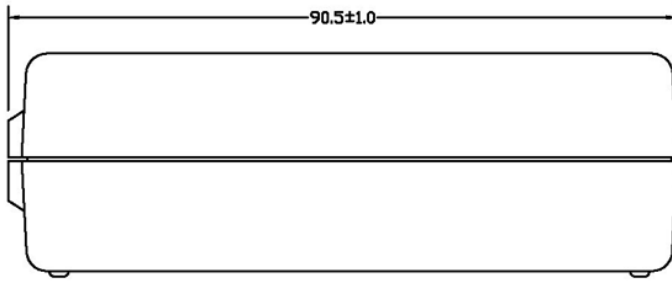
**EMC Immunity (2014/30/EU)**

	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
EMS	EN 61204-3			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3			Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Conducted				
PFMF				
Dips and Interruptions				

**Safety Approvals**

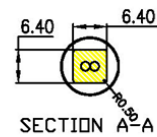
	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European)
cULus	Yes
TUV	Yes
RCM & C-Tick	Yes

Mechanical Drawing



1,DC PLUG:∅2.1\*∅5.5\*12.0

2,SR SIZE:6.4\*6.4\*2.4



2P 3.96



AC - DC