

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 & (EU) 2019/1782
- FCC Class B Certified
- Single Output 9~48V DC
- OVP, OCP, OTP, SCP



Ideal Power's 15DYS902-xyG 96W 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
15DYS902-090750G	9V DC	7.5A	67.5W
15DYS902-120750G	12V DC	7.5A	90W
15DYS902-150600G	15V DC	6A	90W
15DYS902-240400G	24V DC	4A	96W
15DYS902-320300G	32V DC	3A	96W
15DYS902-480200G	48V DC	2A	96W

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	--	--	1.5	A	
Inrush Current	0	--	80	A	At cold start, 100 / 240V AC
Leakage Current	--	--	0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage	--	5	--	%	
Ripple & Noise	--	1	--	%	
Over Current Protection	Typically, 115-135% of Rated Current				
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	10		90	%	Operating 10% to 90%
Storage Humidity	5		95	%	Storage 5% to 95%

Other Information

	Min	Typical	Max	Units	Notes
Isolation	--	--	--	--	Primary to Secondary: 4242VDC/5mA _{Max} (3 seconds)
MTBF	--	50,000	--	hrs	At 25°C, Full load and nominal
Weight				450 g -10/+10	Depending on model
Dimensions					Refer to mechanical drawings

EMC Emissions (2014/30/EU)

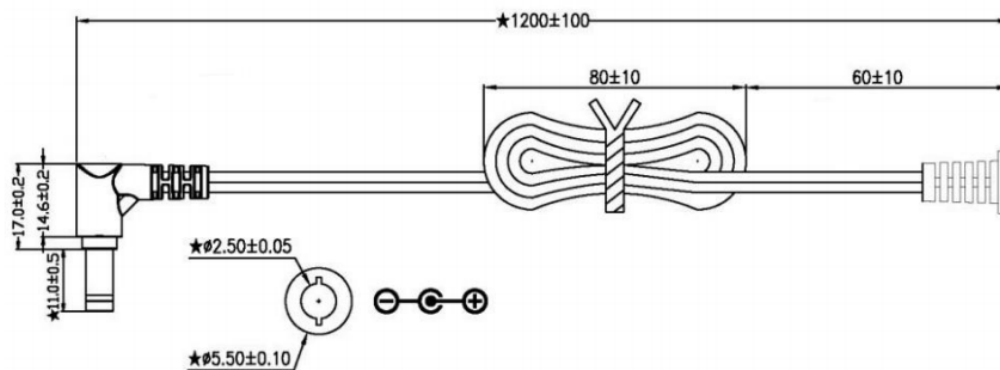
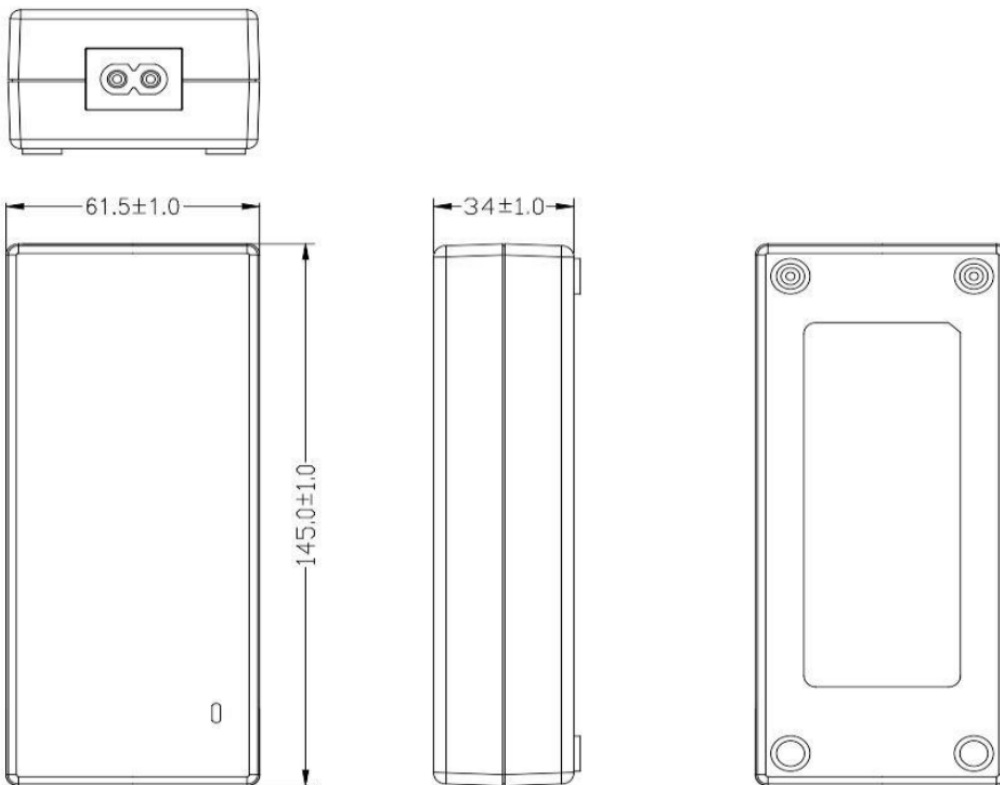
	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	

EMC Immunity (2014/30/EU)

	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Differential mode: +/- 2KV, Common mode: +/- 2KV

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


Model Number	Output Cable
15DYS902-090750G	1.2m UL2468
15DYS902-120750G	1.2m UL2468
15DYS902-150600G	1.8m UL2468
15DYS902-240400G	1.8m UL2468
15DYS902-320300G	1.8m UL2468
15DYS902-480200G	1.5m UL2468